

**AUTHOR INDEX
VOLUMES 211-220**



- Abe, H. 215(1988)155, 219(1989)213
 Ache, H.J. 211(1988)317
 Adachi, T. 218(1989)77
 Adams, F. 216(1989)25
 Adams, F.C. 218(1989)185
 Adeeyinwo, C.E. 214(1988)339
 Adlercreutz, P. 219(1989)27
 Aguilar, M. 215(1988)283
 Ahlgren, M. 217(1989)353
 Akiba, M. 214(1988)455
 Alak, A.M. 217(1989)171
 Alarcón, O.M. 214(1988)421
 Albericio, F. 219(1989)161
 Alder, J.F. 217(1989)289
 Alegret, S. 215(1988)283
 Alfthan, K. 217(1989)43
 Almendral Parra, M.J. 220(1989)43
 Almuaibed, A.M. 214(1988)161, 218(1989)1
 Alonso Mateos, A. 220(1989)43
 Alper, J.S. 220(1989)171
 Aneva, Z. 211(1988)311
 Aoki, I. 218(1989)111
 Aoyagi, M. 214(1988)229
 Appelqvist, R. 216(1989)299
 Apte, S.C. 212(1988)1
 Arakawa, S. 214(1988)415
 Arndal, A. 216(1989)243
 Asakura, K. 214(1988)439
 Asano, Y. 211(1988)213, 213(1988)69
 Ash, P.W. 216(1989)147
 Ashworth, D.C. 213(1988)251
 Ashworth, R.H. 213(1988)23
 Atkinson, G.H. 218(1989)101
 Axelsson, J.P. 213(1988)151

 Bador, R. 219(1989)67
 Balconi, M.L. 214(1988)367
 Baldo, M.-A. 219(1989)9, 219(1989)19
 Barber, R. 219(1989)345
 Barnett, N.W. 216(1989)147
 Bartrolí, J.A.J. 219(1989)345
 Bärtschi, A. 217(1989)359
 Bassedas, M. 219(1989)161
 Beaubien, A. 213(1988)165
 Bediye, S. 213(1988)177
 Bennett, J.A. 218(1989)85
 Bera, S.C.H. 220(1989)225
 Bergamin Fº, H. 214(1988)397
 Bermejo-Barrera, P. 219(1989)79
 Bermejo-Martinez, F. 219(1989)79
 Bernhart, G. 220(1989)207
 Berrettoni, M. 219(1989)153
 Berthoud, T. 220(1989)235
 Best, D.J. 213(1988)113
 Betti, A. 212(1988)165

 Beug-Deeb, M.U.D. 218(1989)85
 Beugelsdijk, T. 215(1988)337
 Blais, J. 211(1988)333
 Blanco González, E. 212(1988)181
 Blet, V. 219(1989)309
 Blöcker, G. 213(1988)221
 Boersma, W.J.A. 213(1988)187
 Böhmer, R.G. 215(1988)111, 215(1988)317
 Bond, A.M. 216(1989)177
 Bontempelli, G. 211(1988)325
 Bos, M. 211(1988)61, 214(1988)77, 216(1989)307
 Boutonnat, M. 218(1989)101
 Bouzid, B. 211(1988)155, 211(1988)175
 Branica, M. 212(1988)349
 Braun, M. 220(1989)207
 Brodowski, M. 214(1988)121
 Brooks, R.R. 217(1989)165
 Brown, S.M. 218(1989)231
 Bruins, C.H.P. 212(1988)95
 Bubernak, J. 215(1988)337
 Buck, C.F. 217(1989)203
 Buøen, S. 211(1988)223, 219(1989)141
 Bureau, R.G. 220(1989)83
 Burguera, J.L. 214(1988)421, 214(1988)429
 Burguera, M. 214(1988)421, 214(1988)429
 Burns, D.T. 211(1988)305, 217(1989)177,
 217(1989)183, 218(1989)93, 219(1989)323
 Busch, K.L. 218(1989)217, 218(1989)231
 Bysouth, S.R. 214(1988)329

 Cai, X. 212(1988)43
 Cañete, F. 211(1988)287, 214(1988)375
 Canham, J.S. 214(1988)385
 Cano Pavon, J.M. 217(1989)363
 Capilla, C. 212(1988)309
 Carchon, H. 219(1989)247
 Cardwell, T.J. 214(1988)359, 214(1988)433,
 219(1989)135
 Carmona, M. 218(1989)313
 Carr, P.W. 215(1988)131
 Cattrall, R.W. 214(1988)359, 214(1988)433,
 219(1989)135
 Cepeda-Saez, A. 211(1988)333
 Chakrabarti, A.K. 217(1989)363
 Chakraborty, D. 218(1989)341
 Chan, W.H. 218(1989)157
 Chao, W.-F. 215(1988)259
 Charlier, J. 220(1989)187
 Chau, L.-K. 217(1989)31
 Chimpalee, D. 211(1988)305
 Chimpalee, N. 217(1989)177, 217(1989)183
 Chiu, C.M.L. 218(1989)157
 Christian, G.D. 214(1988)197
 Christie, B.D. 216(1989)57
 Ci, Y.-X. 212(1988)285

- Claassen, E. 213(1988)187
 Clapp, P.A. 218(1989)331
 Clark, B.R. 215(1988)13
 Clinch, J.R. 214(1988)401
 Coenegracht, P.M.J. 212(1988)95
 Contolini, N. 217(1989)171
 Cook, E.J. 213(1988)131
 Cook, R.L. 217(1989)101
 Cooks, R.G. 215(1988)223
 Coppi, S. 212(1988)165
 Cornelis, R. 211(1988)231
 Cromer, M. 212(1988)105

 Dale, J. 211(1988)223
 Dalgarno, B.G. 218(1989)93
 Damerau, W. 218(1989)179
 Dams, R. 211(1988)91, 220(1989)257
 Daniele, S. 211(1988)325, 219(1989)9,
 219(1989)19
 Daniels, I. 213(1988)207
 Dao, N.Q. 215(1988)211
 Das, A.K. 218(1989)341
 Das, J. 219(1989)339
 Dasgupta, P.K. 214(1988)107, 215(1988)277,
 220(1989)55
 Datta, P.K. 220(1989)225
 Dean, J.R. 212(1988)23
 De Andrade, J.F. 217(1989)187
 De Beer, D. 213(1988)259, 219(1989)351
 De Brucker, N. 220(1989)93
 Decambox, P. 220(1989)235
 Dechaud, H. 219(1989)67
 Deen, C. 213(1988)187
 De Groot, G. 217(1989)149
 Deguchi, T. 214(1988)259
 Del Valle, M. 219(1989)345
 De Márquez, O. 215(1988)307
 Den Boef, G. 211(1988)99, 216(1989)289
 De Niet, G. 216(1989)307
 De Pablo, J. 212(1988)123, 215(1988)283
 DePaoli, D.W. 215(1988)13
 Desai, H.B. 219(1989)313
 Desideri, D. 220(1989)103
 Dettwiler, B. 213(1988)11
 Devey, P.J. 219(1989)335
 Dewaele, J. 220(1989)93
 Díaz García, M.E. 212(1988)235
 Dimov, N. 212(1988)317
 Doherty, S.J. 218(1989)217
 Dominguez, E. 213(1988)139
 Dondi, F. 212(1988)165
 Dong, S. 212(1988)341
 Doornbos, D.A. 212(1988)95
 Dossi, C. 217(1989)197
 Drescher, A. 219(1989)273

 Dubinskii, R.A. 212(1988)303
 Duffy, P. 211(1988)205, 213(1988)267
 Dunn, I.J. 213(1988)11

 Ebdon, L. 216(1989)147, 217(1989)157
 Ebert, B. 218(1989)179
 Edmonds, T.E. 212(1988)23, 212(1988)331
 Eggermont, E. 219(1989)247
 Elderfield, H. 218(1989)265
 Elsholz, O. 214(1988)121
 Engasser, J.M. 213(1988)231
 Enke, C.G. 211(1988)83, 215(1988)169
 Erickson, B.C. 218(1989)303
 Evans, D.F. 218(1989)331

 Fadeeva, V.I. 219(1989)201
 Fainshtein, G. 218(1989)335
 Faisca, A.M.M.M. 215(1988)111, 215(1988)317
 Fang, Z. 214(1988)41
 Farinotti, R. 217(1989)11
 Farran, A. 212(1988)123
 Favretto, L. 220(1989)135
 Favretto, L.G. 220(1989)135
 Fernandez-Romero, J.M. 219(1989)191
 Fernández de la Campa, M.R. 212(1988)235
 Ferraroli, R. 214(1988)367
 Fiechter, A. 213(1988)199
 Figuerola, E. 215(1988)283
 Flanagan, M.T. 213(1988)23
 Flockhart, B.D. 218(1989)93
 Florido, A. 215(1988)283
 Flossdorf, J. 218(1989)291
 Fombon, J.J. 211(1988)205
 Francis, C.G. 219(1989)45
 Frankenberger Jr., W.T. 217(1989)383
 Freitas, M.C. 219(1989)317
 Frenzel, W. 214(1988)121
 Fritz, J.S. 215(1988)311
 Fuger, J. 220(1989)187
 Fujita, Y. 217(1989)193
 Fujiwara, K. 212(1988)245
 Fukasawa, T. 217(1989)23
 Funatsu, K. 220(1989)155
 Furusawa, M. 215(1988)347, 218(1989)161
 Fusi, A. 217(1989)197

 Gács, I. 220(1989)1
 Galante, L.J. 215(1988)99
 Gallego, M. 215(1988)233, 215(1988)241
 Gan, L.M. 218(1989)345
 Gao, P. 212(1988)201
 García Alvarez-Coque, M.C. 220(1989)145
 García de María, C. 220(1989)43
 Garcia de Torres, A. 217(1989)363
 Gardner, M.J. 212(1988)1

- Garlick, S.M. 215(1988)325
 Gassmann, E. 213(1988)215
 Gastmans, J.P. 217(1989)85
 Gelb, R.I. 220(1989)171
 Gerritse, K. 213(1988)187
 Geusman, M.S. 212(1988)303
 Gey, M. 213(1988)227
 Ghaemmaghami, V. 217(1989)111
 Gibson, T.D. 213(1988)61
 Gilmore, D.A. 218(1989)101
 Gluck, S.J. 214(1988)315
 Golden, T. 217(1989)343
 Goldschmidt, H.M.J. 211(1988)43
 Gomy, C. 215(1988)211
 Gonzalez-Robledo, D. 217(1989)239
 Gordon Vergara, A. 216(1989)231
 Gorton, L. 213(1988)91, 213(1988)139
 Gosztola, D. 212(1988)201
 Goto, K. 219(1989)239
 Gotoh, M. 215(1988)301
 Graglia, R. 212(1988)171
 Grant, C.L. 217(1989)217
 Grases, F. 219(1989)89
 Greaves, M.J. 218(1989)265
 Greffe, J.L. 219(1989)309
 Gregor, J.E. 211(1988)141
 Greve, J. 213(1988)35
 Grimalt, J.O. 219(1989)257
 Griot, M. 213(1988)11
 Gritzapis, P. 218(1989)37
 Grossenbacher, H. 213(1988)215
 Grote, M. 212(1988)273
 Guilbault, G.G. 217(1989)187
 Guiyun, Z. 215(1988)331
 Guo, L. 214(1988)41
 Gustafsson, L. 212(1988)133

 Haaijman, J.J. 213(1988)187
 Haapakka, K. 211(1988)105, 215(1988)341
 Hahn-Hägerdal, B. 213(1988)139
 Hai-Lin, G. 217(1989)335
 Hall, G.F. 213(1988)113
 Halsall, H.B. 214(1988)187
 Hamilton, I.C. 214(1988)359, 214(1988)433, 219(1989)135
 Hanazato, Y. 212(1988)49
 Hansen, E.H. 214(1988)1, 214(1988)147, 216(1989)257
 Hara, S. 215(1988)259, 215(1988)267, 218(1989)173
 Harriott, M. 217(1989)177, 217(1989)183
 Hart, K.J. 215(1988)169
 Haseloff, R.F. 218(1989)179
 Hata, N. 219(1989)239
 Hauser, P.C. 214(1988)359

 Havezov, I. 219(1989)127
 Hayashi, T. 218(1989)119
 Hayashi, Y. 212(1988)81
 Hechler, J.-J. 217(1989)135
 Hedlund, A. 213(1988)91
 Heineman, W.R. 214(1988)187
 Heinzle, E. 213(1988)11
 Hemel, J.B. 220(1989)119
 Hernández, S. 212(1988)123
 Hernández Méndez, J. 220(1989)43
 Hieftje, G.M. 215(1988)99, 216(1989)1
 Hindriks, F.R. 220(1989)119
 Hirashima, A. 211(1988)119
 Hirota, T. 217(1989)193
 Ho, M.H. 215(1988)249
 Hoashi, M. 217(1989)165
 Hojjatie, M. 218(1989)111
 Holst, O. 216(1989)299
 Holthuis, J.J.M. 217(1989)229
 Hoogendam, E. 211(1988)61
 Hori, S. 218(1989)161
 Horvai, G. 216(1989)163
 Hosokawa, K. 217(1989)61
 Hu, Q. 212(1988)325
 Huang, H.P. 213(1988)251
 Hulanicki, A. 219(1989)37
 Hummel, W. 213(1988)55

 Iles, P.J. 219(1989)135
 Imasaka, T. 212(1988)267, 219(1989)181, 219(1989)223
 Imato, T. 214(1988)349
 Imura, H. 219(1989)97
 Inatomi, K.-I. 212(1988)49
 Injuk, J. 220(1989)217
 Inman, M.E. 218(1989)85
 Inman, S.M. 217(1989)249
 Irving, H.M.N.H. 218(1989)323
 Ishibashi, K. 219(1989)181
 Ishibashi, N. 212(1988)267, 214(1988)349, 219(1989)181, 219(1989)223
 Ishida, J. 215(1988)259
 Ishii, T. 214(1988)409, 219(1989)123
 Ishizuki, T. 212(1988)253, 220(1989)293
 Isshiki, K. 218(1989)25
 Ito, S. 211(1988)213
 Iturriaga, H. 219(1989)257
 Iwata, Y. 219(1989)97
 Izquierdo, L. 212(1988)309

 Jacintho, A.O. 214(1988)239, 214(1988)247
 Jacinto, G.S. 211(1988)129
 Jacobsen, A. 217(1989)391
 Jacobsen, E. 217(1989)391
 Jedral, W. 219(1989)37

- Jenke, D.R. 220(1989)281
 Jeppesen, M.T. 214(1988)147
 Jia, G. 220(1989)103
 Jiang, M. 215(1988)37
 Jimbo, K. 217(1989)281
 Jinghe, Y. 215(1988)331
 Johansson, C. 213(1988)207
 Johansson, G. 216(1989)299
 Johansson, H.O.J. 213(1988)207
 John, R. 217(1989)335
 Johnson, D.C. 215(1988)1
 Johnson, E.T. 217(1989)53
 Joksimović, V. 212(1988)73
 Jolicoeur, C. 213(1988)165
 Jones, P. 217(1989)157, 220(1989)195
 Jordan, J.M. 220(1989)23
 Jouan, M. 215(1988)211

 Kabbani, M.W. 218(1989)167
 Kai, M. 215(1988)259
 Kakeba, A. 219(1989)239
 Kameda, Y. 220(1989)251
 Kamichika, T. 219(1989)223
 Kamson, O.F. 211(1988)299
 Kanai, M. 219(1989)239
 Kanaya, S. 215(1988)155, 219(1989)213
 Kankare, J. 211(1988)105, 215(1988)341
 Karlberg, B. 214(1988)29
 Karliček, R. 218(1989)151
 Karpinchik, O.S. 215(1988)289
 Karube, I. 213(1988)69, 215(1988)91,
 215(1988)301, 217(1989)321, 218(1989)61,
 218(1989)137, 220(1989)251
 Kasahara, I. 219(1989)239
 Kascheres, C. 215(1988)223
 Katsu, T. 217(1989)193
 Kawabata, Y. 212(1988)267, 219(1989)223
 Kawakubo, S. 217(1989)23
 Kayasth, S.R. 219(1989)313
 Kempster, P.L. 218(1989)69
 Kendall, D.S. 219(1989)165
 Kenttämää, H. 217(1989)43
 Kettrup, A. 212(1988)273
 Kiba, N. 218(1989)161
 Kiboku, M. 218(1989)173
 Kihara, S. 218(1989)25, 220(1989)111
 Kingston, H.M. 220(1989)243
 Kirsch, B. 220(1989)235
 Kiss, E. 211(1988)243
 Kitabatake, K. 218(1989)61
 Kitagawa, Y. 213(1988)69, 218(1989)61
 Klinkhammer, G.P. 218(1989)265
 Kluge, W. 219(1989)273
 Knauth, H.-D. 213(1988)221
 Koch, W.F. 215(1988)21

 Koh, L.L. 218(1989)345
 Kohoutková, D. 212(1988)279
 Koike, T. 218(1989)119
 Kojima, T. 219(1989)171
 Kolkman, H. 213(1988)35
 Kooyman, R.P.H. 213(1988)35
 Korechika, K. 220(1989)275
 Korenaga, T. 214(1988)87, 214(1988)97
 Koshiishi, K. 215(1988)347
 Koudelka, M. 219(1989)45
 Koupparis, M.A. 219(1989)295
 Kowalski, B.R. 218(1989)303
 Krug, F.J. 214(1988)397
 Krull, I.S. 215(1988)45
 Krumgalz, B.S. 218(1989)335
 Kryger, L. 219(1989)105
 Kubo, I. 218(1989)61
 Kucharkowski, R. 219(1989)273
 Kudryavtsev, G.V. 219(1989)201
 Kula, M.-R. 213(1988)55
 Kulmala, S. 211(1988)105
 Kumamaru, T. 218(1989)173
 Kuroishi, T. 220(1989)13
 Kuroko, M. 217(1989)193
 Kurttio, P. 212(1988)297

 Lacourse, W.R. 215(1988)45
 Lai, R.-L. 211(1988)257
 Lamy, I. 212(1988)105
 Lan, Z.-H. 212(1988)285
 Latif, S. 212(1988)23
 Laufer, D.A. 220(1989)171
 Lavagnini, I. 211(1988)75
 Lázaro, F. 214(1988)217, 219(1989)231
 Lázaro, F. 216(1989)275
 Leaback, D.H. 212(1988)213
 Lee, A.W.M. 218(1989)157
 Leigh, A.G.W. 212(1988)213
 Leijten, J.F. 211(1988)43
 Leon-Gonzalez, M.E. 219(1989)329
 Leonard, R.G. 217(1989)335
 Li, H. 212(1988)31
 Li, J. 212(1988)145
 Lieberman, S.H. 217(1989)249
 Lin, M.-S. 218(1989)281
 Lindberg, W. 211(1988)1
 Lipiäinen, K. 215(1988)341
 Liu, C.Y. 214(1988)121
 Liu, W. 212(1988)285
 López-Calahorra, F. 219(1989)161
 Loriguillo, A. 212(1988)223
 Loring, D.H. 220(1989)263
 Lovrić, M. 218(1989)7
 Lüdi, H. 213(1988)215, 217(1989)359
 Lukkari, I. 211(1988)1

- Lukyanenko, N.G. 215(1988)289
 Lund, W. 211(1988)223, 217(1989)391,
 219(1989)141
 Lunte, C.E. 214(1988)187
 Luo, Y. 212(1988)325
 Luque de Castro, M.D. 211(1988)281,
 211(1988)287, 214(1988)217, 214(1988)375,
 216(1989)275, 219(1989)191, 219(1989)231
 Lytle, F.E. 215(1988)203

 Macdonald, A.M.G. 211(1988)155, 211(1988)175
 MacDuff, R.C. 217(1989)101
 Maeda, M. 212(1988)49
 Magno, F. 211(1988)75
 Mahon, M.J. 215(1988)325
 Mahuzier, G. 211(1988)333, 217(1989)11
 Maj-Zurawska, M. 218(1989)47
 Malaki-Athanasίου, E. 219(1989)295
 Mandenius, C.F. 215(1988)71
 Marassi, R. 219(1989)153
 March, P. 219(1989)89
 Marek, M. 218(1989)151
 Marenchic, I.G. 213(1988)131
 Märki, W. 213(1988)215
 Marko-Varga, G. 213(1988)139
 Marletta, G.P. 220(1989)135
 Márquez, J. 215(1988)307
 Marsden, A.B. 214(1988)447
 Martínez-Jiménez, P. 215(1988)233
 Martinho, E. 219(1989)317
 Mascini, M. 211(1988)195, 213(1988)101
 Mashiba, K. 214(1988)259
 Masoom, M. 214(1988)173
 Matsui, M. 218(1989)25, 220(1989)111
 Matsumoto, Y. 218(1989)129
 Matsuo, H. 218(1989)173
 Matsuoka, H. 217(1989)281
 Mattiasson, B. 213(1988)79, 213(1988)121,
 216(1989)299, 219(1989)27
 Mattos, I.L. 214(1988)247
 Mauchien, P. 220(1989)235
 Mayer, F. 213(1988)11
 Mazzocchin, G.-A. 211(1988)325, 219(1989)9,
 219(1989)19
 McGowan, K.A. 214(1988)391
 McKerrell, E.H. 212(1988)155
 McKillen, G.M. 217(1989)183
 McTaggart, D.R. 215(1988)13
 Mealet, C. 211(1988)205
 Meaney, M. 217(1989)335
 Mees, L. 211(1988)231
 Mehra, H.C. 217(1989)383
 Meier, R. 219(1989)281
 Meites, L. 211(1988)31
 Mekenyan, O.V. 212(1988)317

 Melcher, R.G. 214(1988)299
 Meli, M.A. 220(1989)103
 Melnik, O.T. 215(1988)289
 Menendez Fraga, P. 212(1988)181
 Merciny, E. 220(1989)187
 Mesquita, M. 214(1988)397
 Meyerhoff, M.E. 217(1989)123
 Michiels, F. 216(1989)25
 Mihajlović, Lj. 212(1988)73
 Mihajlović, R. 212(1988)73
 Mikac, N. 212(1988)349
 Minero, C. 212(1988)171
 Mise, K. 213(1988)273
 Mitchell, J.W. 217(1989)53
 Mitri, M. 214(1988)433
 Miwa, T. 219(1989)1
 Miyabayashi, A. 213(1988)79, 213(1988)121,
 219(1989)27
 Miyahara, M. 213(1988)273
 Miyazaki, S. 220(1989)111
 Mizuike, A. 211(1988)293, 219(1989)1
 Mizuno, T. 217(1989)377
 Mo, Z.-H. 215(1988)79, 217(1989)327
 Moens, M. 216(1989)25
 Möller, J. 214(1988)121
 Montero, R. 215(1988)241
 Morf, W.E. 218(1989)47
 Morgan, M.S. 215(1988)325
 Morimoto, M. 220(1989)293
 Morin, M. 219(1989)67
 Moriyama, H. 219(1989)123
 Moscone, D. 211(1988)195, 213(1988)101
 Motojima, K. 218(1989)77
 Motomizu, S. 211(1988)119, 214(1988)289,
 214(1988)455, 220(1989)275
 Moulin, C. 220(1989)235
 Mukai, H. 220(1989)111
 Müller, M. 220(1989)207
 Müller, W. 213(1988)47
 Munk, M.E. 216(1989)57
 Murakami, M. 219(1989)1
 Muramatsu, H. 215(1988)91, 217(1989)321
 Murti, S.S. 219(1989)177
 Muta, A. 217(1989)281

 Nagaoka, T. 220(1989)269
 Nagel, B. 213(1988)227
 Nagels, M. 211(1988)91
 Nakagama, T. 217(1989)371
 Nakagawa, G. 211(1988)213, 212(1988)253,
 214(1988)439, 220(1989)293
 Nakako, M. 212(1988)49
 Nakamura, M. 215(1988)267
 Nakamura, T. 218(1989)111
 Nakayama, E. 218(1989)25

- Nalbach, U. 213(1988)55
 Narasimhan, S.V. 212(1988)335
 Narayanaswamy, R. 213(1988)251, 220(1989)75
 Nater, E.A. 220(1989)83
 Natsume, Y. 219(1989)123
 Navarro, J.L. 212(1988)309
 Nazarova, N.Yu. 215(1988)289
 Ndiomu, D.P. 213(1988)237
 Neely, W.C. 215(1988)353
 Ng, K.H. 218(1989)345
 Ngoviwatchai, A. 215(1988)1
 Ni, Z.-M. 217(1989)271
 Nie, L.-H. 215(1988)79
 Nielsen, J. 214(1988)137
 Nikolajsen, K. 214(1988)137
 Nishida, A. 214(1988)229
 Njenga, L.W. 212(1988)133
 Nobrega, J.A. 214(1988)397
 Noël, D. 217(1989)135
 Nohta, H. 217(1989)263
 Nomizu, T. 211(1988)293
 Nyasulu, F. 220(1989)287

 Ogura, K. 220(1989)269
 Ohkura, Y. 215(1988)259, 217(1989)263
 Ohno, N. 214(1988)271
 Ohta, K. 217(1989)377
 Ohura, H. 214(1988)349
 Okamoto, A. 214(1988)415
 Okamoto, Y. 218(1989)173
 O'Kennedy, R. 212(1988)355
 Oldham, K.B. 216(1989)177
 Oliphant, N. 218(1989)101
 Olive, J. 219(1989)257
 Olson, D.C. 220(1989)55
 Onoda, M. 214(1988)289
 Ortiz, R. 215(1988)307
 Oshima, M. 211(1988)119
 Oude Elferink, R.F.M. 211(1988)43
 Ozaki, M. 217(1989)61
 Ozawa, T. 211(1988)213
 Ozinga, W. 211(1988)99

 Pacey, G.E. 214(1988)385, 214(1988)391
 Pai, S.-C. 211(1988)257, 211(1988)271
 Palleschi, G. 213(1988)101
 Palmer, P.T. 215(1988)169
 Palshis, E.M. 212(1988)331
 Pardue, H.L. 216(1989)69, 220(1989)23
 Patton, B.D. 215(1988)13
 Payer, K. 220(1989)1
 Pelizzetti, E. 212(1988)171
 Perez-Bendito, D. 212(1988)223, 217(1989)239,
 218(1989)313
 Pessenda, L.C.R. 214(1988)239

 Petersen, K. 215(1988)277
 Pilloton, R. 213(1988)101
 Pingarron Carrazon, J.M. 216(1989)231
 Polásek, M. 212(1988)279, 218(1989)151
 Polo-Diez, L.M. 218(1989)167, 219(1989)329
 Polo Diez, L.M. 216(1989)231
 Pons, M.-N. 219(1989)309
 Pons, M.N. 213(1988)231
 Poole, C.F. 216(1989)109, 218(1989)241
 Poole, S.K. 216(1989)109, 218(1989)241
 Porter, M.D. 217(1989)31
 Powell, H.K.J. 211(1988)141
 Pramauro, E. 212(1988)171
 Prantis, D.M. 217(1989)123
 Pratt, K.W. 215(1988)21
 Prognon, P. 211(1988)333
 Pruski, M. 217(1989)31
 Pungor, E. 216(1989)163

 Qi, W. 214(1988)279

 Rajaković, L. 217(1989)111
 Rajan, S.C.S. 219(1989)177
 Ramis Ramos, G. 220(1989)145
 Ramsay, G. 215(1988)61
 Rantala, R.T.T. 220(1989)263
 Rattaiah, G.V. 214(1988)439
 Ravenscroft, J.E. 212(1988)1
 Realini, F. 214(1988)367
 Reis, B.F. 214(1988)397
 Reslow, M. 219(1989)27
 Reviejo Garcia, A.J. 216(1989)231
 Rhee, J.-S. 220(1989)55
 Ridder, C. 217(1989)303
 Rinne, D. 220(1989)207
 Ríos, A. 211(1988)281, 211(1988)287,
 214(1988)375, 216(1989)275
 Roberge, H. 217(1989)135
 Rodriguez Flores, J. 212(1988)355
 Rogge, M. 220(1989)207
 Rouilly, M. 218(1989)47
 Rowley, S.J. 216(1989)147
 Rubio-Borroso, S. 218(1989)167
 Ruf, H. 211(1988)317
 Ruoff, P. 219(1989)147
 Russell, D.A. 220(1989)75
 Russeva, E. 219(1989)127
 Rutan, S.C. 215(1988)131
 Ruz, J. 211(1988)281
 Ruzicka, J. 214(1988)1, 214(1988)197,
 216(1989)243, 218(1989)291, 218(1989)303

 Saad, I. 213(1988)267
 Saastamoinen, A. 217(1989)353
 Sahao Jr., J. 217(1989)85

- Saini, G. 212(1988)171
 Saitta, M. 220(1989)135
 Sakai, T. 214(1988)271
 Sakamaki, S. 219(1989)181
 Samanifar, M. 215(1988)249
 Sammells, A.F. 217(1989)101
 Samson, R. 213(1988)165
 Sanji, M. 211(1988)293
 Sano, T. 220(1989)13
 Santos-Delgado, M.J. 219(1989)329
 Sanz-Medel, A. 212(1988)181, 212(1988)235
 Sasaki, S. 217(1989)61
 Sasaki, S.-I. 215(1988)155, 219(1989)213, 220(1989)155
 Sasaki, Y. 218(1989)77
 Satoh, I. 214(1988)409, 214(1988)415
 Savolainen, K. 212(1988)297
 Sawa, Y. 220(1989)293
 Schaffar, B.P.H. 217(1989)1
 Scharff, J.P. 212(1988)105
 Scheeren, P.J.H. 215(1988)143
 Scheper, T. 213(1988)47
 Schiemenz, H. 213(1988)55
 Schorb, K. 211(1988)317
 Schroeder, F. 213(1988)221
 Schubert, A.J. 211(1988)83
 Schubert, P. 220(1989)243
 Schügerl, K. 213(1988)1
 Schulze, G. 214(1988)121
 Schwartz, L.M. 220(1989)171
 Schwarz, Th. 219(1989)273
 Schwedt, G. 220(1989)195
 Schweikert, E.A. 218(1989)85
 Scott, D.M. 215(1988)311
 Scott, D.R. 211(1988)11
 Seitz, W.R. 217(1989)217
 Seki, A. 215(1988)301
 Sendra, J.M. 212(1988)309
 Sengupta, B. 219(1989)339
 Sernetz, M. 213(1988)245
 Shalkowski, E. 215(1988)337
 Shan, X.-Q. 217(1989)271
 Sharma, A. 212(1988)261
 Shen, F.-H. 214(1988)97
 Shen, H. 212(1988)145
 Sheriff, T.S.S. 218(1989)331
 Shetty, P.H. 218(1989)241
 Sheu, T.W. 215(1988)353
 Shigetomi, Y. 219(1989)171
 Shimizu, I. 215(1988)301
 Shiono, S. 212(1988)49
 Siepak, J. 218(1989)143
 Sigon, F. 214(1988)367
 Silva, M. 212(1988)223, 217(1989)239, 218(1989)313
 Silver, G.L. 217(1989)395
 Simon, W. 218(1989)47
 Simpson, C.F. 213(1988)237
 Sioda, R.E. 215(1988)295
 Sjöholm, P.-E. 213(1988)207
 Skov, H.J. 219(1989)105
 Sloper, A.N. 213(1988)23
 Smilde, A.K. 212(1988)95
 Smit, H.C. 215(1988)143
 Smith, A.L. 215(1988)325
 Smolander, K. 217(1989)353
 Smyth, M.R. 212(1988)355, 217(1989)335
 Sode, K. 213(1988)69, 218(1989)137, 220(1989)251
 Sohrin, Y. 218(1989)25
 Solich, P. 218(1989)151
 Sonnleitner, B. 213(1988)199
 Souza, I.G. 214(1988)397
 Stalnaker, N. 215(1988)337
 Stamm, W.W. 213(1988)55
 Steffen, R.L. 215(1988)203
 Steijger, O.M. 217(1989)229
 Stergaršek, A. 220(1989)217
 Stewart, K.K. 214(1988)87, 214(1988)97, 214(1988)207
 Stockwell, P.B. 214(1988)329
 Stone, W. 215(1988)337
 Stordal, E.Aa. 219(1989)147
 Storm, G. 217(1989)149
 Stottmeister, U. 213(1988)227
 Strachan, D.M. 220(1989)243
 Strasburg, R.F. 215(1988)311
 Strelow, F.W.E. 212(1988)191
 Strijckmans, K. 220(1989)93
 Stromvall, E.J. 217(1989)249
 Subrahmanyam, J. 219(1989)177
 Suleiman, A.A. 217(1989)187
 Sun, L. 214(1988)41
 Sundaresan, M. 219(1989)313
 Sundberg, D.C. 217(1989)217
 Susuta, Y. 220(1989)155
 Suzuki, H. 213(1988)69
 Suzuki, M. 215(1988)91, 217(1989)321
 Suzuki, N. 219(1989)97
 Suzuki, S. 217(1989)371
 Svensson, R. 213(1988)207
 Sweerts, J.-P.R.A. 219(1989)351
 Sweeting, F.W. 214(1988)401
 Sweileh, J.A. 214(1988)107, 220(1989)65
 Tachibana, M. 215(1988)347
 Taguchi, S. 219(1989)239
 Taha, Z. 215(1988)29
 Tahara, R. 212(1988)267
 Takahashi, K. 220(1989)13

- Takahashi, T. 214(1988)97
 Takahashi, Y. 215(1988)155, 217(1989)61, 219(1989)213
 Takeda, Y. 212(1988)81
 Takeishi, H. 218(1989)77
 Takekawa, Y. 217(1989)281
 Takemori, Y. 215(1988)267
 Tamiya, E. 213(1988)69, 215(1988)91, 215(1988)301, 217(1989)321, 218(1989)61, 218(1989)137, 220(1989)251
 Tanaka, A. 214(1988)259
 Tang, H.T. 214(1988)187
 Tang, K.T. 218(1989)157
 Taniguchi, M. 219(1989)239
 Taniguchi, S. 220(1989)13
 Taylor, R.F. 213(1988)131
 Tepas, B.C.A. 217(1989)149
 Testa, C. 220(1989)103
 Texter, J. 215(1988)187
 Thomas, C.L.P. 217(1989)289
 Thompson, M. 217(1989)111
 Thomsen, K.N. 219(1989)105
 Tikhomirova, T.I. 219(1989)201
 Timotheou-Potamia, M. 218(1989)37
 To, T.C. 213(1988)165
 Tod, M. 217(1989)11
 Tomellini, S.A. 217(1989)203
 Torres Llosa, J.M. 211(1988)317
 Tóth, K. 216(1989)163
 Townshend, A. 214(1988)161, 218(1989)1
 Tsuchiya, H. 218(1989)119
 Tsurubou, S. 215(1988)119
 Tungkananuruk, N. 219(1989)323
 Turner, A.P.F. 213(1988)113, 215(1988)61
 Tymochowicz, S. 220(1989)243
 Tyson, J.F. 214(1988)57, 214(1988)329, 214(1988)339, 214(1988)447
 Uchida, Y. 220(1989)269
 Ugo, P. 211(1988)325, 219(1989)9, 219(1989)19
 Umegae, Y. 217(1989)263
 Umetani, S. 220(1989)111
 Ureña Pozo, E. 217(1989)363
 Vajgand, V. 212(1988)73
 Valcárcel, M. 211(1988)281, 211(1988)287, 214(1988)217, 214(1988)375, 215(1988)233, 215(1988)241, 216(1989)275, 219(1989)191, 219(1989)231
 Valentová, O. 218(1989)151
 Valković, V. 220(1989)217
 Van Borm, W.A. 218(1989)185
 Vandecasteele, C. 211(1988)91, 220(1989)93, 220(1989)257
 Van den Berg, C.M.G. 211(1988)129, 212(1988)31
 Van den Heuvel, J.C. 213(1988)259
 Van der Linden, W.E. 211(1988)61, 211(1988)99, 214(1988)77, 216(1989)307
 Van der Meer, J.M. 213(1988)177
 Van der Slik, W. 220(1989)119
 Van der Voet, H. 220(1989)119
 Van Espen, P. 216(1989)25
 Van Gent, J. 213(1988)35
 Vanhoe, H. 211(1988)91
 Van Mastbergen, H.M. 217(1989)229
 Van Nugteren-Osinga, I.C. 214(1988)77
 Van Renterghem, D. 211(1988)231
 Van Staden, J.F. 218(1989)69, 219(1989)55
 Van Trieste, P.F. 215(1988)325
 Van Vliet, H.R. 218(1989)69
 Vartiainen, T. 212(1988)297
 Vazquez-Gonzalez, J.F. 219(1989)79
 Venkateswarlu, K.S. 212(1988)335
 Verma, K.K. 214(1988)207
 Vermeir, G. 220(1989)257
 Vickers, G.H. 216(1989)1
 Victor, A.H. 215(1988)111, 215(1988)317
 Villadsen, J. 214(1988)137
 Visalakshi, G. 212(1988)335
 Vithanage, R.S. 215(1988)277
 Vo-Dinh, T. 217(1989)171
 Vuysters, F.A.M. 211(1988)43
 Wada, H. 211(1988)213, 212(1988)253, 214(1988)439, 220(1989)293
 Wade, A.P. 215(1988)169
 Waisser, K. 212(1988)279
 Wallace, G.G. 217(1989)335
 Wallach, J.M. 211(1988)205, 213(1988)267
 Wang, J. 215(1988)29, 217(1989)343, 218(1989)281
 Wang, Y. 212(1988)341
 Wang, Z. 212(1988)145
 Wasa, T. 218(1989)129
 Watanabe, K. 218(1989)111
 Waters, D. 215(1988)337
 Weaver, M.J. 212(1988)201
 Wehnert, G. 213(1988)47
 Weissbrodt, E. 213(1988)227
 Werner, G. 219(1989)281
 Wever, G. 213(1988)177
 Whiteside, I.R.C. 212(1988)155
 Whitman, D.A. 214(1988)197
 Whung, P.-Y. 211(1988)257
 Wickstrøm, T. 211(1988)223, 219(1989)141
 Willems, H. 213(1988)245
 Williams, T. 217(1989)157

- Wilson, D.A. 215(1988)99
Wilson, S.M. 217(1989)165
Wolfbeis, O.S. 212(1988)261, 217(1989)1
Wong, M.K. 218(1989)345
Woodward, J.R. 213(1988)61
Worsfold, P.J. 212(1988)155, 214(1988)401
Wu, C. 212(1988)325
Wu, X. 214(1988)279
Wyrley-Birch, J. 218(1989)323
Wythoff, B.J. 217(1989)203

Xilei, L. 211(1988)231
Xu, S. 214(1988)41

Yamada, M. 217(1989)371
Yamaguchi, M. 215(1988)259, 215(1988)267
Yamaoka, K. 219(1989)123
Yamasaki, S. 214(1988)349
Yang, T.C. 215(1988)353
Yao, S.-Z. 212(1988)61, 215(1988)79
Yao, S.-Z. Nie, L.-H. 217(1989)327
Yao, T. 218(1989)129
Yasuda, K. 220(1989)13
Yasumasa, Y. 214(1988)229
Yian, Z. 217(1989)271

Yokoyama, K. 213(1988)69, 218(1989)137
Yoshida, F. 217(1989)61
Yoshida, H. 214(1988)97
Yoshioka, S. 212(1988)81
Yoshitake, T. 215(1988)267
Youxian, Y. 212(1988)291
Yuferova, I.B. 219(1989)201

Zagatto, E.A.G. 214(1988)239, 214(1988)247
Zamponi, S. 219(1989)153
Zegers, N.D. 213(1988)187
Zhang, C. 217(1989)23
Zhang, R.-Q. 217(1989)165
Zhang, S. 214(1988)41
Zhang, Y. 217(1989)217
Zhao, Z. 212(1988)43, 215(1988)37
Zhikun, S. 215(1988)331
Zhou, T.-A. 212(1988)61
Zhou, X. 212(1988)325
Zhu, Z. 214(1988)41
Zoski, C.G. 216(1989)177
Zou, Z. 212(1988)325
Zukale, T. 217(1989)43
Zurita, J.C. 217(1989)85

**SUBJECT INDEX
VOLUMES 211-220**

A

Acetaldehyde

Gas chromatography; Ethyl acetate; Fermentation; Fusel alcohols; Gas-permeable membrane; Alcoholic fed-batch 213(1988)231

Acetaminophen

Kinetic analysis; Spectrophotometry; Pharmaceuticals 218(1989)313

Acetic acid

Conductometry; Acetone; Computerised array; Ethanol; Semiconductor gas sensors 219(1989)213

Acetone

Conductometry; Acetic acid; Computerised array; Ethanol; Semiconductor gas sensors 219(1989)213

Acetylcholine

Flow system; Amperometry; Ion exchange; Choline; Enzyme reactor; Lipids 214(1988)173

Acetylcholine receptor based biosensor

Cholinergic agents 213(1988)131

Acetyl ion generation

Coulometry; Organic bases; Oxidation of mercury in acetic anhydride 212(1988)73

Acidity

Titrimetry; Rain; Substitution approach 217(1989)303

Aerobic and anaerobic wastewater-treatment

Thermom. analysis; Biological activity; Flow microcalorimetry 213(1988)165

Air

Spectrophotometry; Organophosphorus compounds; Inhibition of cholinesterases 217(1989)43

H.p.l.c.; Conductometry; Nitrate; Nitrite; Passive monitors; Sulphate 217(1989)135

Alcoholic beverages

Flow system; Spectrophotometry; Enzyme reactor; Glucose; NADPH formed 211(1988)281

Alcohol sensor

Amperometry; Membrane-bound alcohol dehydrogenase 218(1989)61

Aldehydes

H.p.l.c.; Amperometry; Ketones; Photoelectrochemical detector; Mechanism, Alkyl, Aryl 215(1988)45

Alkali metal ions

Voltammetry; Flow system; Alkaline earth metal ions; Glassy carbon fibres 220(1989)269

Alkaline earth metal ions

Voltammetry; Flow system; Alkali metal ions; Glassy carbon fibres 220(1989)269

Alkanes

Conductometry; Gas chromatography; Hydrogen; Semiconductor gas sensors; Simplex optimization 216(1989)147

Alkylamines

H.p.l.c.; Fluorimetry; Post-column derivatization 212(1988)155

Alkylbenzenes

Gas chromatography; Structure retention relationship 212(1988)317

Alkyllead species

Anod. stripping voltammetry; Separation, Coprecipitation, Differential-pulse 212(1988)349

Alpha counter automation

2- π Proportional counting chamber 215(1988)337

Aluminium

Phosphorimetry; Dialysis fluids; Waters; Room-temperature, Ferron chelate in micellar media 212(1988)235

Amines

Spectrophotometry; Flow system; Nitrite; Aromatic primary 214(1988)207

Spectrophotometry; Primary and secondary aliphatic 218(1989)157

Aminocoumarins

H.p.l.c.; Chemiluminescence; Fluorimetry 217(1989)11

Aminophenyl phosphate substrate

H.p.l.c.; Immunoassay; Voltammetry; Digoxin 214(1988)187

Ammonia

Flow system; Potentiometry; Hydrazine; pH;
Power plant steam cycle 214(1988)367

Spectrophotometry; Flow system; Field monitor;
Waters 214(1988)401

Potentiometry; Gas-permeable tubular
membrane 219(1989)309

Ammonium ions

Flow system; Spectrophotometry; Ion exchange;
Gas-diffusion separation 214(1988)121

Ammonium selective microelectrode

Potentiometry; Gradients in immobilized urease
213(1988)259

Anaerobic adhesive

Diff. pulse voltammetry; Copper; Iron; Glassy
carbon electrode 217(1989)335

Anaesthetics

At. abs. spectrometry; Flow system;
Pharmaceuticals; Indirect, Precipitation
215(1988)241

Animal feeds

Pattern recognition; Fodder plants; Rumen
bacteria; Enzymatically changed, Genetic
varieties 213(1988)177

Anion-induced adsorption

D.c. polarography; Metal ions 218(1989)7

Anions

H.p.l.c.; Titrimetry; Gravimetry; Orthogonal
regression; Waters 220(1989)207

Annular denuder tube

Gas chromatography; Nitrobenzene; Nitrogen
atmospheres; Electron-capture detection
217(1989)289

Anthracene

Fluorimetry; Benzocarbazole; Solvent effect,
Synchronous 215(1988)347

Antibiotics production

Flow system; H.p.l.c.; Process control; On-line
213(1988)1

Antibodies to peptides

Immunoassay; Denatured protein; Short
synthetic, Specific recognition 213(1988)187

Antibody-coated sensors

Piezoelectric sensing; Pesticides; Toluene; Film-
free 217(1989)111

Antipyrinylazo and thiazolylazo compounds

Spectrophotometry; Titrimetry; Bismuth;
Copper; Synthesis 212(1988)253

Aromatic aldehydes

Fluorimetry; H.p.l.c.; 1,2-Diamino-4,5-
ethylenedioxybenzene reagent 215(1988)259

Arsenic

Flow system; Mass spectrometry; Chloroform;
Sample introduction 214(1988)385

Artificial intelligence

N.m.r. spectrometry; Prediction of spectra;
Carbon-13, Coding system 217(1989)85

Artificial-intelligence program

Mass spectrometry; Pattern recognition; Spectral
feature/substructure relationships; Automated
elucidation, Tandem 215(1988)169

Automated micro batch analyser

Flow system; Conductometry;
Spectrophotometry; Potentiometry; Fluorimetry;
Microcomputer control 214(1988)107

Automated structure elucidation

I.r. spectrometry; Symbolic logic; Computer
program 220(1989)155

B**Benzocarbazole**

Fluorimetry; Anthracene; Solvent effect,
Synchronous 215(1988)347

Beryllium

At. abs. spectrometry; Electrotherm.
atomization; Urine; Matrix modifier
217(1989)271

Bioelectrodes from plant tissue

Amperometry; Flow system; Dopamine; Dual
electrode 218(1989)281

Biological activity

Thermom. analysis; Aerobic and anaerobic
wastewater-treatment; Flow microcalorimetry
213(1988)165

Biological samples

At. abs. spectrometry; Mercury; Microwave dissolution; Gold amalgamation, Cold-vapour 220(1989)257

Biological tissues

Flow system; At. abs. spectrometry; Cadmium; Microwave digestion; Zinc 214(1988)421

Biomolecule purification

Electrophoresis; Staining system; Automated 213(1988)207

Bioreactors

Potentiometry; Voltammetry; Flow system; Fluorimetry; Yeasts; High-performance, On-line sensors 213(1988)199

Biosensors

Potentiometry; Enzyme electrodes; Review; Electronic, Opto-electronic 213(1988)23

Biotechnology assays

Flow system; Spectrophotometry; High-sensitivity flow injection; Macromolecules 214(1988)87

Bismuth

Spectrophotometry; Copper-base alloys; Extraction 211(1988)305

Spectrophotometry; Titrimetry; Antipyrinylazo and thiazolylazo compounds; Copper; Synthesis 212(1988)253

Bistrichlorophenyl oxalate

Chemiluminescence; Micellar system 217(1989)229

Blood

H.p.l.c.; Flow system; Voltammetry; Uracil derivatives; Urine; Differential pulse, Cathodic stripping 211(1988)175

Conductometry; Kinetic analysis; Enzyme activities 213(1988)267

Body fluids

Spectrophotometry; Flow system; Urea; Urease reactor 218(1989)151

Boron

Spectrophotometry; Ion exchange; Geological materials 211(1988)243

Flow system; Emission spectrometry; Plasmas; Waters; Inductively coupled 218(1989)69

Titrimetry; Potentiometry; Metal borides; Multiparametric curve-fitting 219(1989)273

Bovine serum albumin

Voltammetry; Adsorptive stripping 212(1988)355

Brine

Spectrophotometry; Flow system; Calcium; Magnesium; Preconcentration 214(1988)439

Brines

Ion exchange; Rare earth elements; Preconcentration 220(1989)243

Bromide

Potentiometry; Silver complexes stability constants; Thiocyanate; Monte Carlo methods 215(1988)187

Piezoelectric sensing; Catalysis of permanganate/iodide reaction 217(1989)327

C**Cadmium**

Flow system; At. abs. spectrometry; Biological tissues; Microwave digestion; Zinc 214(1988)421

Anod. stripping voltammetry; Copper; Internal standard; Lead; Waters; High-accuracy, Differential-pulse, Indium 215(1988)21

Anod. stripping voltammetry; Lead; Square-wave, Mercury-plated reticulated vitreous carbon electrode 219(1989)153

Caffeine

H.p.l.c.; Morphine; Plant materials; Quinine; Serum; Supercritical fluid extraction 213(1988)237

Calcichrome structure

N.m.r. spectrometry; I.r. spectrometry; Spectrophotometry 217(1989)31

Calcium

Fluorimetry; Fibre-optic sensor 212(1988)267

Spectrophotometry; Flow system; Magnesium; Waters; Simultaneous 212(1988)291

At. abs. spectrometry; Flow system; Interference removal; Flame 214(1988)339

Spectrophotometry; Flow system; Brine; Magnesium; Preconcentration 214(1988)439

Potentiometry; Titrimetry; Magnesium; Waters 218(1989)47

Potentiometry; Titrimetry; Oil-based drilling fluids 219(1989)147

Calcium ion sensor

Reflectance spectrometry; Optical sensor; Chromogenic crown ether 213(1988)251

Calcium selective electrodes

Flow system; Potentiometry 211(1988)213

Calcium-selective optrode

Fluorimetry; Potentiometry; Langmuir-Blodgett film 217(1989)1

Camomile extract

Gas chromatography; Component number; Capillary, Statistical estimation 212(1988)165

Candida albicans

Immunoassay; Human olfactory function 217(1989)281

Canonical correlation analysis

Orange juice dilution 212(1988)309

Capillary digester

Spectrophotometry; Flow system; Phosphorus; Waters 214(1988)229

Carbon dioxide

Gas chromatography; Carbon monoxide; Methane; Temperature programmed decomposition 217(1989)197

Fluorimetry; Fibre-optic sensor 219(1989)223

Carbon fibre electrodes

Voltammetry; Potentiometry; Hydrogen ion concentration 212(1988)23

Carbon monoxide

Gas chromatography; Carbon dioxide; Methane; Temperature programmed decomposition 217(1989)197

Carboxyl groups

Spectrophotometry; Polymers 219(1989)161

Catalysts

Flow system; Spectrophotometry; Dental alloys; Palladium 214(1988)271

Catecholamines

H.p.l.c.; Urine; On-line purification 218(1989)119

Catechol compounds

Voltammetry; Stripping, Adsorptive accumulation 215(1988)29

Cationic surfactants

At. abs. spectrometry; Flow system; Extraction; Waters; Indirect, With tetrathiocyanatocobaltate 215(1988)233

Cation selectivity of crown ethers

Potentiometry; 13-Crown-4 and bis(13-crown-4) derivatives 215(1988)289

Cephalexin

Kinetic analysis; Potentiometry; Cetyltrimethylammonium bromide; Pharmaceuticals; Sulphamethizole; Micellar catalysis 219(1989)295

Cetyltrimethylammonium bromide

Kinetic analysis; Potentiometry; Cephalexin; Pharmaceuticals; Sulphamethizole; Micellar catalysis 219(1989)295

Characterization of stationary / mobile phases

H.p.l.c.; Reversed-phase retention; Using markers 212(1988)95

Chemically sterilizable barrier

Flow system; Amperometry; Fermentor monitoring; Glucose; Oxygen 216(1989)299

Chemicals

Anod. stripping voltammetry; Silver; Nafion/crown ether film electrode 212(1988)341

Chiral organic anion extractants

Spectrophotometry; Cinchona alkaloids; Extraction; Ion-pair 215(1988)119

Chloride

Flow system; Spectrophotometry; Detection limit 214(1988)447

Chlorine

Potentiometry; Flow system; Waters 214(1988)349

Polarography; Phenylthiourea solutions; Waters; Linear-sweep, Active 215(1988)37

Chlorobenzenesulphonic acid

I.r. spectrometry; Waters 219(1989)165

Chloroform

Voltammetry; Cresol; Enzyme electrode; Waters 213(1988)113

Flow system; Mass spectrometry; Arsenic;
Sample introduction 214(1988)385

Choline

Flow system; Amperometry; Ion exchange;
Acetylcholine; Enzyme reactor; Lipids
214(1988)173

Cholinergic agents

Acetylcholine receptor based biosensor
213(1988)131

Choline-sensitive membrane electrode

Potentiometry; Phosphatidylcholine; Serum
217(1989)193

Chronoamperometry

Cyclic voltammetry; Lead; Carbon fibre
electrodes 212(1988)331

Chronopotentiometry

Potentiometry; Knowledge-based system;
Elucidation of electrode reaction mechanisms
211(1988)61

Cinchona alkaloids

Spectrophotometry; Chiral organic anion
extractants; Extraction; Ion-pair 215(1988)119

Clinical data validity

Process control characteristics; Model
211(1988)43

Coal ash

X-ray fluores. spectrometry; Ion exchange; Leach
liquors 220(1989)217

Cobalt

Ion exchange; At. abs. spectrometry; Copper;
Manganese; Nickel; Tellurium metal
212(1988)191

Kinetic analysis; Spectrophotometry; Nickel;
Resolution of binary mixtures; Interpolation
212(1988)223

H.p.l.c.; Chemiluminescence; Rice flour
217(1989)157

At. abs. spectrometry; Electrotherm.
atomization; Iron; Nickel; Molybdenum tube
217(1989)377

Column dead time

Gas chromatography; Capillary 215(1988)311

Competitive equilibrium constants

N.m.r. spectrometry 220(1989)171

Complexation in natural waters

Titrimetry; Voltammetry; Computer simulation
of errors; Waters; Stripping 212(1988)1

Component number

Gas chromatography; Camomile extract;
Capillary, Statistical estimation 212(1988)165

Computer-aided molecular design

New system 217(1989)61

Computer-assisted interpretation of spectra

I.r. spectrometry; Knowledge-based system;
Descriptive, Interactive 217(1989)203

Computer-based structure characterization

N.m.r. spectrometry 216(1989)57

Computer controlled apparatus

Flow system; Kinetic analysis; Liquid chrom.;
Enzyme reactions; Protein; Stopped-flow
220(1989)13

Computerised array

Conductometry; Acetic acid; Acetone; Ethanol;
Semiconductor gas sensors 219(1989)213

Computerised data-acquisition

Flow system; Potentiometry; Multi-ion sensor
cell 214(1988)359

Computerised system

Voltammetry; Potentiometry; Nickel;
Chronopotentiometric experiments 219(1989)105

Computer simulation of errors

Titrimetry; Voltammetry; Complexation in
natural waters; Waters; Stripping 212(1988)1

Copper

Electroluminescence; Cathodic 211(1988)105

Anod. stripping voltammetry; Fulvic acid
equilibria; Labile metal fraction; Lead;
Sampled-d.c. 211(1988)141

Ion exchange; At. abs. spectrometry; Cobalt;
Manganese; Nickel; Tellurium metal
212(1988)191

Flow system; Spectrophotometry; Wave-guide
capillary cell 212(1988)245

Spectrophotometry; Titrimetry; Antipyrinylazo
and thiazolylazo compounds; Bismuth; Synthesis
212(1988)253

Spectrophotometry; Flow system; Ion exchange; Integrated reaction, Unsegmented 214(1988)217

Anod. stripping voltammetry; Cadmium; Internal standard; Lead; Waters; High-accuracy, Differential-pulse, Indium 215(1988)21

Diff. pulse voltammetry; Anaerobic adhesive; Iron; Glassy carbon electrode 217(1989)335

Electrotherm. atomization; At. abs. spectrometry; Environmental samples; Extraction; Lead 218(1989)173

Copper-base alloys

Spectrophotometry; Bismuth; Extraction 211(1988)305

Copper interactions with ligands

Potentiometry; Titrimetry; Humic-like substance, Fulvic acids 212(1988)105

Copper speciation

Ion exchange; At. abs. spectrometry; Waters 219(1989)1

Coumarins

Voltammetry; Micellar and emulsified media 216(1989)231

Creatinine

Flow system; Reflectance spectrometry; Serum; Gas diffusion 214(1988)147

Cresol

Voltammetry; Chloroform; Enzyme electrode; Waters 213(1988)113

Cyanide

Flow system; Spectrophotometry; Microporous membrane; Thiocyanate 214(1988)259

Flow system; Potentiometry; Heterogeneous membrane electrodes; Gas diffusion 215(1988)283

Spectrophotometry; Flow system; Thiocyanate 220(1989)65

Cyclodextrin enhancement

Phosphorimetry; Organic compounds; Room-temperature 217(1989)171

Cylindrical cavity-type phase separator

Flow system; Extraction 220(1989)275

D

Data-acquisition schedule

Optimization, Burst, Clustered-point 211(1988)31

Denatured protein

Immunoassay; Antibodies to peptides; Short synthetic, Specific recognition 213(1988)187

Dental alloys

Flow system; Spectrophotometry; Catalysts; Palladium 214(1988)271

Detection limit

Flow system; Spectrophotometry; Chloride 214(1988)447

Dialysis fluids

Phosphorimetry; Aluminium; Waters; Room-temperature, Ferron chelate in micellar media 212(1988)235

Dicarbonyl compounds

Fluorimetry; 1,2-Diamino-4,5-methylenedioxybenzene reagent 215(1988)267

Diffusion coefficient

Electroanalytical measurements; Concentration, Number of electrons 211(1988)325

Digital simulation

Cyclic voltammetry; Non-first-order electrode reactions, Finite-difference, Linear-sweep 211(1988)75

Digoxin

H.p.l.c.; Immunoassay; Voltammetry; Aminophenyl phosphate substrate 214(1988)187

Dinitrophenolate electrode

Potentiometry; Honey; Reducing sugars 218(1989)37

Dispersion

Flow system; Spectrophotometry 214(1988)97

Dispersion behaviour

Flow system; Spectrophotometry; Impulse/response functions; Fourier algorithm 214(1988)77

Dispersion parameters

Flow system; Spectrophotometry; Prediction
220(1989)43

Dopamine

Amperometry; Flow system; Bioelectrodes from
plant tissue; Dual electrode 218(1989)281

Doxorubicin

H.p.l.c.; Plasma; Reversed-phase ion-pair
217(1989)149

Dysprosium

Fluorimetry; Enhancement by alkaline earth
metal ions 212(1988)285

Fluorimetry; EDTA/Tiron/surfactant
215(1988)331

E**Electroanalytical measurements**

Diffusion coefficient; Concentration, Number of
electrons 211(1988)325

Electrochemical biosensors

Amperometry; Flow system; Milk components;
Metabolites 213(1988)101

Electrochemical mechanism elucidation

Raman spectrometry; Voltammetry; Real-time
surface-enhanced, Linear-sweep 212(1988)201

Electroluminescence

Copper; Cathodic 211(1988)105

Electrolytic dissolution

Flow system; Spectrophotometry; Molybdenum;
Steels 214(1988)397

Electromagnetic entrapment of biocatalyst

Voltammetry; Enzyme electrode; Glucose;
Magnetic beads 213(1988)121

Endotoxin

Piezoelectric sensing; Viscosity monitoring;
Gelation of Limulus amoebocyte lysate
215(1988)91

Enteropathogenic bacteria

Electrophoresis; Restriction endonucleases
213(1988)273

Environmental materials

Activ. analysis; Trace elements; Instrumental
neutron 219(1989)317

Environmental samples

Electrotherm. atomization; At. abs.
spectrometry; Copper; Extraction; Lead
218(1989)173

Enzymatic assays

Flow system; Spectrophotometry; Review
216(1989)257

Enzyme activities

Conductometry; Kinetic analysis; Blood
213(1988)267

Enzyme-catalyzed reactions

Conductometry; Serum; Urea 211(1988)205

Enzyme electrode

Flow system; Amperometry; Enzyme reactor;
Lactate 213(1988)91

Voltammetry; Chloroform; Cresol; Waters
213(1988)113

Voltammetry; Electromagnetic entrapment of
biocatalyst; Glucose; Magnetic beads
213(1988)121

Enzyme electrodes

Potentiometry; Biosensors; Review; Electronic,
Opto-electronic 213(1988)23

Enzyme reactions

Flow system; Kinetic analysis; Liquid chrom.;
Computer controlled apparatus; Protein;
Stopped-flow 220(1989)13

Enzyme reactor

Flow system; Spectrophotometry; Alcoholic
beverages; Glucose; NADPH formed
211(1988)281

Flow system; Amperometry; Enzyme electrode;
Lactate 213(1988)91

Flow system; Amperometry; Xylose; Xylulose
213(1988)139

Flow system; Spectrophotometry; Fluorimetry;
Ethanol; Linear and cyclic 214(1988)161

Flow system; Amperometry; Ion exchange;
Acetylcholine; Choline; Lipids 214(1988)173

Flow system; Thermom. analysis;
Pyrophosphate; Thermistor 214(1988)409

Enzyme reactor

Amperometry; Flow system; Glutathione
214(1988)415

Flow system; Amperometry; Oxalate;
Immobilized oxalate oxidase 218(1989)1

H.p.l.c.; Amperometry; Nicotinamide coenzymes
218(1989)129

Flow system; Fluorimetry; Isoleucine; Leucine;
Valine; Immobilized leucine dehydrogenase
218(1989)161

Flow system; Spectrophotometry; Glucose;
Characterization of activity 218(1989)291

Ethanol

Spectrophotometry; Kinetic analysis;
Fermentation media; Glucose; Enzymatic
213(1988)61

Flow system; Spectrophotometry; Fluorimetry;
Enzyme reactor; Linear and cyclic 214(1988)161

Raman spectrometry; Fermentation process;
Fructose; Glucose; Fibre-optic system
215(1988)211

Conductometry; Acetic acid; Acetone;
Computerised array; Semiconductor gas sensors
219(1989)213

Ethanol probe

Conductometry; Fermentors; Membrane gas
sensor 215(1988)71

Ethanol production

Conductometry; Baker's yeast, Gas sensor
213(1988)151

Ethyl acetate

Gas chromatography; Acetaldehyde;
Fermentation; Fusel alcohols; Gas-permeable
membrane; Alcoholic fed-batch 213(1988)231

Ethylenethiourea

H.p.l.c.; Filters; Urine; Occupational hygiene
212(1988)297

Europium

Fluorimetry; Samarium; Laser-excited, Time-
resolved, Labelling of biomolecules 219(1989)67

Extraction

Spectrophotometry; Bismuth; Copper-base alloys
211(1988)305

H.p.l.c.; Flow system; Organophosphorus
pesticides; Waters 212(1988)123

Flow system; Review 214(1988)29

Flow system; Ion exchange; At. abs.
spectrometry; Emission spectrometry; Gas
diffusion; On-line separation; Preconcentration
214(1988)41

Flow system; Spectrophotometry; Potassium;
Sodium; Waters; Silica column 214(1988)289

Spectrophotometry; Cinchona alkaloids; Chiral
organic anion extractants; Ion-pair 215(1988)119

At. abs. spectrometry; Flow system; Cationic
surfactants; Waters; Indirect, With
tetrathiocyanatocobaltate 215(1988)233

Flow system; At. abs. spectrometry;
Preconcentration; C-18 bonded silica
216(1989)243

At. abs. spectrometry; Metal complexes; Ore;
Palladium; Ammonium pyrrolidine
dithiocarbamate, Methyl isobutyl ketone
217(1989)165

Spectrophotometry; Palladium 218(1989)111

Electrotherm. atomization; At. abs.
spectrometry; Copper; Environmental samples;
Lead 218(1989)173

Spectrophotometry; Hydrogen peroxide
218(1989)331

At. abs. spectrometry; Vanadium; Indirect
218(1989)341

Isotope dilut. analysis; Plants; Sulphur
219(1989)97

Spectrophotometry; Iron; Molten
biphenyl/naphthalene 219(1989)171

Spectrophotometry; Fabric conditioners; Hair
conditioners; Quaternary ammonium salts;
Tertiary alkylamines 219(1989)239

Spectrophotometry; Molybdenum; Steels
219(1989)323

Liquid chrom.; Plutonium; Soils; α -Spectrometry
220(1989)103

LithiumSodium; Synergic 220(1989)111

Flow system; Cylindrical cavity-type phase
separator 220(1989)275

Extraction constant

Generalized form, Metal chelate 218(1989)323

F

Fabric conditioners

Spectrophotometry; Extraction; Hair conditioners; Quaternary ammonium salts; Tertiary alkylamines 219(1989)239

(Fast scans)

Cyclic voltammetry; Flow system 211(1988)287

Fatty acid sensor

Amperometry; Immobilized enzymes 220(1989)251

Fermentation

Fluorimetry; Microorganisms; Immobilized 213(1988)47

Flow system; Fluorimetry; Phenylalanine 213(1988)55

Gas chromatography; Acetaldehyde; Ethyl acetate; Fusel alcohols; Gas-permeable membrane; Alcoholic fed-batch 213(1988)231

Fermentation broths

Gas chromatography; Volatile metabolites 213(1988)11

Fermentation media

Spectrophotometry; Kinetic analysis; Ethanol; Glucose; Enzymatic 213(1988)61

H.p.l.c.; Ion exchange; Organic acids; Short glass columns 213(1988)227

Fermentation process

Raman spectrometry; Ethanol; Fructose; Glucose; Fibre-optic system 215(1988)211

Fermentation processes

Amperometry; Potentiometry; Microbiological sensors; Review 213(1988)69

Fermentor monitoring

Flow system; Amperometry; Chemically sterilizable barrier; Glucose; Oxygen 216(1989)299

Fermentors

Conductometry; Ethanol probe; Membrane gas sensor 215(1988)71

Fibre-optic chemical sensor

Fluorimetry; Pressurized membrane indicator 217(1989)249

Fibre-optic sensor

Fluorimetry; Carbon dioxide 219(1989)223

Fibrinogen

Piezoelectric sensing; Quartz-crystal gelation detector 217(1989)321

Field-effect transistor

Potentiometry; Hypoxanthine sensor; Uric acid; Amorphous silicon 215(1988)301

Field monitor

Spectrophotometry; Flow system; Ammonia; Waters 214(1988)401

Filters

H.p.l.c.; Ethylenethiourea; Urine; Occupational hygiene 212(1988)297

Flow microcalorimetry

Thermom. analysis; Aerobic and anaerobic wastewater-treatment; Biological activity 213(1988)165

Flow-through porous electrodes

Mass-transfer coefficients for cylinders and spheres; Theoretical expressions 215(1988)295

Fluoride

Flow system; Spectrophotometry 214(1988)433

Flow system; Spectrophotometry; Waters 219(1989)329

Potentiometry; Ores; Slags; Direct fusion 219(1989)335

Fluorimetry; Optical-fibre sensor 220(1989)75

Fluorine

Potentiometry; Plants; Vegetables; Open-flame ashing, Microdiffusion 212(1988)133

Fodder plants

Pattern recognition; Animal feeds; Rumen bacteria; Enzymatically changed, Genetic varieties 213(1988)177

Foods

Electrotherm. atomization; At. abs. spectrometry; Molybdenum 219(1989)79

Formaldehyde

Spectrophotometry; Using formaldehyde dehydrogenase 215(1988)249

Formic acid

Kinetic analysis; Oxalic acid; Gasometric 212(1988)303

Fructose

Raman spectrometry; Ethanol; Fermentation process; Glucose; Fibre-optic system 215(1988)211

Fuels

Mass spectrometry; Polar compounds; Methanol chemical-ionization 211(1988)83

Fulvic acid equilibria

Anod. stripping voltammetry; Copper; Labile metal fraction; Lead; Sampled-d.c. 211(1988)141

Fusel alcohols

Gas chromatography; Acetaldehyde; Ethyl acetate; Fermentation; Gas-permeable membrane; Alcoholic fed-batch 213(1988)231

G

Galactose

Amperometry; Glucose biosensor 218(1989)137

Gallium

Fluorimetry; Synchronous derivative 218(1989)167

Gases

Opto-acoustic spectroscopy; Sulphur dioxide; Ultraviolet laser 218(1989)101

Gas-diffusion separation

Flow system; Spectrophotometry; Ion exchange; Ammonium ions 214(1988)121

Gas diffusion

Flow system; Ion exchange; At. abs. spectrometry; Emission spectrometry; Extraction; On-line separation; Preconcentration 214(1988)41

Gas-permeable membrane

Gas chromatography; Acetaldehyde; Ethyl acetate; Fermentation; Fusel alcohols; Alcoholic fed-batch 213(1988)231

Gas-permeable tubular membrane

Potentiometry; Ammonia 219(1989)309

Geological materials

Spectrophotometry; Ion exchange; Boron 211(1988)243

Geological samples

Spectrophotometry; Flow system; Ion exchange; Preconcentration; Uranium 214(1988)279

I.r. spectrometry; Talc 217(1989)353

Glucose

Flow system; Spectrophotometry; Alcoholic beverages; Enzyme reactor; NADPH formed 211(1988)281

Spectrophotometry; Kinetic analysis; Ethanol; Fermentation media; Enzymatic 213(1988)61

Voltammetry; Electromagnetic entrapment of biocatalyst; Enzyme electrode; Magnetic beads 213(1988)121

Flow system; Spectrophotometry; Plasma 214(1988)455

Raman spectrometry; Ethanol; Fermentation process; Fructose; Fibre-optic system 215(1988)211

Flow system; Amperometry; Chemically sterilizable barrier; Fermentor monitoring; Oxygen 216(1989)299

Flow system; Spectrophotometry; Enzyme reactor; Characterization of activity 218(1989)291

Glucose biosensor

Amperometry; Galactose 218(1989)137

Glucose-sensitive field-effect transistor

Potentiometry; Two-enzyme membrane 212(1988)49

Glutathione

Amperometry; Flow system; Enzyme reactor 214(1988)415

Gold

H.p.l.c.; Ion exchange; Platinum group metals; Chloro complexes, Bonded phase silica 220(1989)195

Gradient chamber

Kinetic analysis; Flow system; Model for unsegmented 220(1989)23

Gradients in immobilized urease

Potentiometry; Ammonium selective microelectrode 213(1988)259

H

Hair conditioners

Spectrophotometry; Extraction; Fabric conditioners; Quaternary ammonium salts; Tertiary alkylamines 219(1989)239

Halides

Voltammetry; Spinal fluid; Waters; Cathodic stripping 215(1988)307

Flow system; Ion exchange; Potentiometry 219(1989)55

Heavy metals

Ion exchange; Electrotherm. atomization; At. abs. spectrometry; Seawater; Pre-concentration, Chelex-100, pH and salts 211(1988)257

Ion exchange; Electrotherm. atomization; At. abs. spectrometry; Seawater; Pre-concentration, Chelex-100, Optimization, Plate simulation method 211(1988)271

Anod. stripping voltammetry; Wine; Mercury microelectrodes, Differential-pulse 219(1989)9

Anod. stripping voltammetry; Rain; Seawater; Mercury microelectrodes, Differential-pulse 219(1989)19

Heterogeneous membrane electrodes

Flow system; Potentiometry; Cyanide; Gas diffusion 215(1988)283

Heterogeneous sample materials

Flow system; Immobilized reagents; Review 214(1988)1

High-purity chemicals

Flow system; Spectrophotometry; Kinetic analysis; Manganese; Catalytic effect 217(1989)23

High-sensitivity flow injection

Flow system; Spectrophotometry; Biotechnology assays; Macromolecules 214(1988)87

Honey

Potentiometry; Dinitrophenolate electrode; Reducing sugars 218(1989)37

Human olfactory function

Immunoassay; *Candida albicans* 217(1989)281

Humic substances

Spectrophotometry; Iron; Waters 211(1988)293

Hydrazine

Flow system; Potentiometry; Ammonia; pH; Power plant steam cycle 214(1988)367

Hydrocortisone

Spectrophotometry; Prednisolone; Tetrazolium salt 212(1988)273

Hydrogen

Conductometry; Gas chromatography; Alkanes; Semiconductor gas sensors; Simplex optimization 216(1989)147

Hydrogen ion concentration

Voltammetry; Potentiometry; Carbon fibre electrodes 212(1988)23

Hydrogen peroxide

Spectrophotometry; Hydroperoxyl ion; Molar absorptivities 215(1988)325

Chemiluminescence; Stopped-flow technique; Luminol 217(1989)239

Spectrophotometry; Extraction 218(1989)331

Hydrogen sulphide

Piezoelectric sensing 217(1989)187

Hydroperoxyl ion

Spectrophotometry; Hydrogen peroxide; Molar absorptivities 215(1988)325

Hypoxanthine sensor

Potentiometry; Field-effect transistor; Uric acid; Amorphous silicon 215(1988)301

I

Immobilized reagents

Flow system; Heterogeneous sample materials;
Review 214(1988)1

Impulse/response functions

Flow system; Spectrophotometry; Dispersion
behaviour; Fourier algorithm 214(1988)77

Inductive expert system

Mass spectrometry; Pattern recognition; Toxic
compounds; SIMCA class modeling 211(1988)11

Interference removal

At. abs. spectrometry; Flow system; Calcium;
Flame 214(1988)339

Internal standard

Anod. stripping voltammetry; Cadmium;
Copper; Lead; Waters; High-accuracy,
Differential-pulse, Indium 215(1988)21

Iodide

Piezoelectric sensing; Waters 215(1988)79

Ion-microprobe

Mass spectrometry; Electron probe analysis;
Review; Three-dimensional analysis; Secondary-
ion 216(1989)25

Ion-selective electrode mechanisms

Potentiometry 216(1989)163

Iron

Spectrophotometry; Humic substances; Waters
211(1988)293

Spectrophotometry; Flow system; Nickel;
Doublet peaks 214(1988)197

Diff. pulse voltammetry; Anaerobic adhesive;
Copper; Glassy carbon electrode 217(1989)335

At. abs. spectrometry; Electrotherm.
atomization; Cobalt; Nickel; Molybdenum tube
217(1989)377

Spectrophotometry; Extraction; Molten
biphenyl/naphthalene 219(1989)171

Spectrophotometry; Flow system; Waters; Wine;
Integrated retention 219(1989)231

Flow system; Spectrophotometry; Waters;
Sandwich techniques 219(1989)345

Iron speciation

Polarography; EDTA complexes 212(1988)335

Isoleucine

Flow system; Fluorimetry; Enzyme reactor;
Leucine; Valine; Immobilized leucine
dehydrogenase 218(1989)161

Isomer distinction

Mass spectrometry; Pentadienes; Quadrupole ion
trap 215(1988)223

Isotachopheresis automation

Conductometry; Data management 219(1989)247

K

Kalman filter

H.p.l.c.; Peak resolution 212(1988)81

Regression algorithms; Robust, Least-median,
Linear calibration, Least-squares 215(1988)131

Ketones

H.p.l.c.; Amperometry; Aldehydes;
Photoelectrochemical detector; Mechanism,
Alkyl, Aryl 215(1988)45

Kinetics of analytical bioreactor

Flow system; Fluorimetry 213(1988)245

Knowledge-based system

Potentiometry; Chronopotentiometry;
Elucidation of electrode reaction mechanisms
211(1988)61

I.r. spectrometry; Computer-assisted
interpretation of spectra; Descriptive, Interactive
217(1989)203

L

Labile metal fraction

Anod. stripping voltammetry; Copper; Fulvic acid equilibria; Lead; Sampled-d.c. 211(1988)141

Lactate

Flow system; Amperometry; Enzyme electrode; Enzyme reactor 213(1988)91

Lactate dehydrogenase

Kinetic analysis; Flow system; Serum; Multi-detection, Cyclic system 219(1989)191

Lactic acid fermentations

Spectrophotometry; Flow system; Chemiluminescence; In-line monitoring 214(1988)137

Langmuir-Blodgett film

Fluorimetry; Potentiometry; Calcium-selective optrode 217(1989)1

Lanthanide complexation

Potentiometry; Titrimetry; *trans*-1,3-Cyclopentanediaminotetraacetic acid 220(1989)187

Lanthanide ions

Fluorimetry; Laser-induced, Time-resolved 220(1989)235

Large-bore systems

Flow system; Spectrophotometry 214(1988)391

Leach liquors

X-ray fluores. spectrometry; Ion exchange; Coal ash 220(1989)217

Lead

Anod. stripping voltammetry; Copper; Fulvic acid equilibria; Labile metal fraction; Sampled-d.c. 211(1988)141

Cyclic voltammetry; Chronoamperometry; Carbon fibre electrodes 212(1988)331

Anod. stripping voltammetry; Cadmium; Copper; Internal standard; Waters; High-accuracy, Differential-pulse, Indium 215(1988)21

Electrotherm. atomization; At. abs. spectrometry; Copper; Environmental samples; Extraction 218(1989)173

Anod. stripping voltammetry; Cadmium; Square-wave, Mercury-plated reticulated vitreous carbon electrode 219(1989)153

Lead-bearing samples

Gravimetry; Silica; Errors 219(1989)177

Lead preconcentration

Flow system; At. abs. spectrometry; Waters; Flame 214(1988)329

Least-squares evaluation

Potentiometry; Linearized equations; Metal/ligand equilibrium 220(1989)145

Lectin

Fluorimetry; Umbelliferyl sugars; Quenching 220(1989)225

Leucine

Flow system; Fluorimetry; Enzyme reactor; Isoleucine; Valine; Immobilized leucine dehydrogenase 218(1989)161

Linearized equations

Potentiometry; Least-squares evaluation; Metal/ligand equilibrium 220(1989)145

Lipids

Flow system; Amperometry; Ion exchange; Acetylcholine; Choline; Enzyme reactor 214(1988)173

Lithium

Extraction Sodium; Synergic 220(1989)111

Lysozyme activity

Viscometry 219(1989)123

M

Macromolecules

Flow system; Spectrophotometry; Biotechnology assays; High-sensitivity flow injection 214(1988)87

Magnesium

Spectrophotometry; Flow system; Calcium; Waters; Simultaneous 212(1988)291

Spectrophotometry; Flow system; Brine;
Calcium; Preconcentration 214(1988)439
Potentiometry; Titrimetry; Calcium; Waters
218(1989)47

Magnetic resonance imaging agents
N.m.r. spectrometry; Stability of iron complexes
217(1989)391

Manganese
Ion exchange; At. abs. spectrometry; Cobalt;
Copper; Nickel; Tellurium metal 212(1988)191
Flow system; Spectrophotometry; Kinetic
analysis; High-purity chemicals; Catalytic effect
217(1989)23

Manganese metal
Ion exchange; At. abs. spectrometry;
Spectrophotometry; Trace elements 215(1988)111
Ion exchange; At. abs. spectrometry;
Spectrophotometry; Trace elements 215(1988)317

Manifold components
Flow system; Spectrophotometry; Peak profiles
220(1989)293

Marine organisms
Cyclic voltammetry; Diff. pulse polarography;
Vanadium 219(1989)281

Mass-transfer coefficients for cylinders and spheres
Flow-through porous electrodes; Theoretical
expressions 215(1988)295

Membrane gas sensor
Conductometry; Ethanol probe; Fermentors
215(1988)71

Membrane reactor
Flow system; Spectrophotometry; Pulsed reagent
introduction 215(1988)277

Membrane-separation
Spectrophotometry; Flow system; Trace organic
compounds 214(1988)299

Mercury
Ion exchange; Waters; Preconcentration
219(1989)339
At. abs. spectrometry; Biological samples;
Microwave dissolution; Gold amalgamation,
Cold-vapour 220(1989)257

Metal borides
Titrimetry; Potentiometry; Boron;
Multiparametric curve-fitting 219(1989)273

Metal complexes
At. abs. spectrometry; Extraction; Ore;
Palladium; Ammonium pyrrolidine
dithiocarbamate, Methyl isobutyl ketone
217(1989)165

Metal ions
D.c. polarography; Anion-induced adsorption
218(1989)7

Metalloporphyrin modified glassy carbon electrodes
Voltammetry; Kinetic analysis; Urine
217(1989)343

Metastable transfer emission spectrometry
Chemiluminescence; Superconducting ceramics;
Thermally labile oxygen; High-temperature,
Microwave discharge 217(1989)53

Methane
Gas chromatography; Carbon dioxide; Carbon
monoxide; Temperature programmed
decomposition 217(1989)197

Methoxypsoralen
Fluorimetry; H.p.l.c. 211(1988)333

Methylumbelliferone
Phosphorimetry; T.l.c.; Low-temperature
212(1988)213

Microanalysis
Electron probe analysis; Review 218(1989)185

Microbial concentration
Amperometry; Reaction mechanism 215(1988)61

Microbial reaction rates
Gas chromatography; Potentiometry;
Voltammetry; Sediment suspensions; Apparatus
213(1988)221

Microbiological sensors
Amperometry; Potentiometry; Fermentation
processes; Review 213(1988)69

Microcomputer control
Flow system; Conductometry;
Spectrophotometry; Potentiometry; Fluorimetry;
Automated micro batch analyser 214(1988)107

Microorganisms

Fluorimetry; Fermentation; Immobilized
213(1988)47

Microporous membrane

Flow system; Spectrophotometry; Cyanide;
Thiocyanate 214(1988)259

Microwave digestion

Flow system; At. abs. spectrometry; Biological
tissues; Cadmium; Zinc 214(1988)421

Microwave dissolution

At. abs. spectrometry; Biological samples;
Mercury; Gold amalgamation, Cold-vapour
220(1989)257

At. abs. spectrometry; Electrotherm.
atomization; Silicate materials 220(1989)263

Microwave-induced nitrogen discharge

H.p.l.c.; Emission spectrometry; Replacement-
ion chromatography 215(1988)99

Milk components

Amperometry; Flow system; Electrochemical
biosensors; Metabolites 213(1988)101

Molar absorptivities

Spectrophotometry; Hydrogen peroxide;
Hydroperoxyl ion 215(1988)325

Molasses

Spectrophotometry; Flow system; Sucrose;
Sugar-cane juice 214(1988)247

Molybdenum

Kinetic analysis; Flow system;
Spectrophotometry; Ion exchange; Plants
214(1988)239

Flow system; Spectrophotometry; Electrolytic
dissolution; Steels 214(1988)397

Polarography; Ion exchange; Seawater;
Tungsten; Waters; Catalytic current,
Preconcentration 218(1989)25

Electrotherm. atomization; At. abs.
spectrometry; Foods 219(1989)79

Spectrophotometry; Extraction; Steels
219(1989)323

Monitoring in organic solvents

Potentiometry; Enzyme electrode 219(1989)27

Monoaza crown ethers

Potentiometry; Titrimetry; Complexation
properties 211(1988)223

Monosaccharides

Spectrophotometry; Flow system; Strongly
oxidizing agents; Manganese(VI), Copper(III)
211(1988)99

Morphine

H.p.l.c.; Caffeine; Plant materials; Quinine;
Serum; Supercritical fluid extraction
213(1988)237

Multi-ion sensor cell

Flow system; Potentiometry; Computerised
data-acquisition 214(1988)359

Multicomponent determinations

Flow system; Spectrophotometry; Partial least
squares modeling 211(1988)1

Multicomponent dye samples

Mass spectrometry; Californium-252, Particle-
desorption 218(1989)85

Multiparametric curve-fitting

Titrimetry; Potentiometry; Boron; Metal borides
219(1989)273

Multiple peak recordings

Flow system; Review 216(1989)275

Multivariate classification

Pattern recognition; Variable selection, Sample
size 220(1989)119

Mussels

Principal components; Electrotherm.
atomization; At. abs. spectrometry; Trace
elements; Polluted and unpolluted 220(1989)135

N

Naphthyl phenyloxazole

Fluorimetry; Optical multiplexing; Two-photon
excited, Fibre-optic star coupler 215(1988)203

Nickel

Ion exchange; At. abs. spectrometry; Cobalt; Copper; Manganese; Tellurium metal
212(1988)191

Kinetic analysis; Spectrophotometry; Cobalt; Resolution of binary mixtures; Interpolation
212(1988)223

Spectrophotometry; Flow system; Iron; Doublet peaks 214(1988)197

At. abs. spectrometry; Electrotherm. atomization; Cobalt; Iron; Molybdenum tube
217(1989)377

Voltammetry; Potentiometry; Computerised system; Chronopotentiometric experiments
219(1989)105

Nicotinamide coenzymes

H.p.l.c.; Amperometry; Enzyme reactor
218(1989)129

Niobium

Spectrophotometry; Reversed matrix representation; Tantalum; Multicomponent mixtures 212(1988)145

Nitrate

H.p.l.c.; Conductometry; Air; Nitrite; Passive monitors; Sulphate 217(1989)135

Nitrate-selective microelectrodes

Potentiometry; Sediments 219(1989)351

Nitrite

Voltammetry; Seawater; Waters; Cathodic stripping 212(1988)31

Spectrophotometry; Flow system; Amines; Aromatic primary 214(1988)207

H.p.l.c.; Conductometry; Air; Nitrate; Passive monitors; Sulphate 217(1989)135

Nitrobenzene

Gas chromatography; Annular denuder tube; Nitrogen atmospheres; Electron-capture detection 217(1989)289

Nitrogen atmospheres

Gas chromatography; Annular denuder tube; Nitrobenzene; Electron-capture detection
217(1989)289

O**Octanol/water partition coefficients**

Flow system; Spectrophotometry; Dialyzer
214(1988)315

Odour-sensing system

Conductometry; Pattern recognition; Semiconductor gas sensors 215(1988)155

Oil-based drilling fluids

Potentiometry; Titrimetry; Calcium
219(1989)147

On-line separation

Flow system; Ion exchange; At. abs. spectrometry; Emission spectrometry; Extraction; Gas diffusion; Preconcentration
214(1988)41

Optical-fibre sensor

Fluorimetry; Fluoride 220(1989)75

Optical membrane

Spectrophotometry; Trinitrotoluene; Waters; Clear, Amine-containing poly(vinyl chloride)
217(1989)217

Optical multiplexing

Fluorimetry; Naphthyl phenyloxazole; Two-photon excited, Fibre-optic star coupler
215(1988)203

Optical sensor

Reflectance spectrometry; Calcium ion sensor; Chromogenic crown ether 213(1988)251

Orange juice dilution

Canonical correlation analysis 212(1988)309

Ore

At. abs. spectrometry; Extraction; Metal complexes; Palladium; Ammonium pyrrolidine dithiocarbamate, Methyl isobutyl ketone
217(1989)165

Ores

Potentiometry; Fluoride; Slags; Direct fusion
219(1989)335

Organic acids

H.p.l.c.; Ion exchange; Fermentation media;
Short glass columns 213(1988)227

Organic bases

Coulometry; Acetyl ion generation; Oxidation of
mercury in acetic anhydride 212(1988)73

Organic compounds

Phosphorimetry; Cyclodextrin enhancement;
Room-temperature 217(1989)171

Chemiluminescence 217(1989)371

Organic solvents

Flow system; Spectrophotometry; Water traces
220(1989)55

Organophosphorus compounds

Spectrophotometry; Air; Inhibition of
cholinesterases 217(1989)43

Organophosphorus pesticides

H.p.l.c.; Flow system; Extraction; Waters
212(1988)123

Orthogonal regression

H.p.l.c.; Titrimetry; Gravimetry; Anions; Waters
220(1989)207

Oxalate

Flow system; Amperometry; Enzyme reactor;
Immobilized oxalate oxidase 218(1989)1

Oxalic acid

Kinetic analysis; Formic acid; Gasometric
212(1988)303

Oxygen

Flow system; Amperometry; Chemically
sterilizable barrier; Fermentor monitoring;
Glucose 216(1989)299

Oxygen sensor

Fluorimetry; Energy transfer-based optical
212(1988)261

Ozone

Spectrophotometry; Waters; Indirect
215(1988)353

P**Palladium**

Flow system; Spectrophotometry; Catalysts;
Dental alloys 214(1988)271

At. abs. spectrometry; Extraction; Metal
complexes; Ore; Ammonium pyrrolidine
dithiocarbamate, Methyl isobutyl ketone
217(1989)165

Spectrophotometry; Extraction 218(1989)111

Parenteral solutions

Flow system; Spectrophotometry; Sodium
hydrogensulphite 220(1989)281

Partial least squares modeling

Flow system; Spectrophotometry;
Multicomponent determinations 211(1988)1

Passive monitors

H.p.l.c.; Conductometry; Air; Nitrate; Nitrite;
Sulphate 217(1989)135

Peak profiles

Flow system; Spectrophotometry; Manifold
components 220(1989)293

Peak resolution

H.p.l.c.; Kalman filter 212(1988)81

Pentadienes

Mass spectrometry; Isomer distinction;
Quadrupole ion trap 215(1988)223

Peptides

Electrophoresis; Recombinant DNA technology;
Capillary zone 213(1988)215

T.l.c.; Mass spectrometry; Steroids; Surface
derivatization; Secondary ion 218(1989)231

Perchlorate

Flow system; Spectrophotometry; With Brilliant
Green 217(1989)177

Permanganate

Spectrophotometry; Flow system 217(1989)183

Pesticides

Piezoelectric sensing; Antibody-coated sensors;
Toluene; Film-free 217(1989)111

pH

Flow system; Potentiometry; Ammonia; Hydrazine; Power plant steam cycle 214(1988)367

Pharmaceuticals

At. abs. spectrometry; Flow system; Anaesthetics; Indirect, Precipitation 215(1988)241

Kinetic analysis; Spectrophotometry; Acetaminophen 218(1989)313

Potentiometry; Kinetic analysis; Phytic acid; Urine; Crystalline growth of calcium oxalate 219(1989)89

Kinetic analysis; Potentiometry; Cephalixin; Cetyltrimethylammonium bromide; Sulphamethizole; Micellar catalysis 219(1989)295

Phenolic compounds

Cyclic voltammetry; Flow system; Waters; Derivative 214(1988)375

Phenols partition equilibria

H.p.l.c.; Anionic micelles 212(1988)171

Phenylalanine

Flow system; Fluorimetry; Fermentation 213(1988)55

Phenylthiourea solutions

Polarography; Chlorine; Waters; Linear-sweep, Active 215(1988)37

Phosphatidylcholine

Potentiometry; Choline-sensitive membrane electrode; Serum 217(1989)193

Phosphorus

Spectrophotometry; Waters; Vanadomolybdophosphate 211(1988)119

Spectrophotometry; Flow system; Capillary digestor; Waters 214(1988)229

Electrotherm. atomization; At. abs. spectrometry; Platform 219(1989)127

Photoelectrochemical detector

H.p.l.c.; Amperometry; Aldehydes; Ketones; Mechanism, Alkyl, Aryl 215(1988)45

Photographic fixers

Potentiometry; Flow system; Silver; Indirect 220(1989)287

Physical parameters of liquids

Piezoelectric sensing; Oscillation behaviour 212(1988)61

Phytic acid

Potentiometry; Kinetic analysis; Pharmaceuticals; Urine; Crystalline growth of calcium oxalate 219(1989)89

Planar electrochemical microcell

Voltammetry; Surface modification 219(1989)45

Plant materials

H.p.l.c.; Caffeine; Morphine; Quinine; Serum; Supercritical fluid extraction 213(1988)237

Plants

Potentiometry; Fluorine; Vegetables; Open-flame ashing, Microdiffusion 212(1988)133

Kinetic analysis; Flow system; Spectrophotometry; Ion exchange; Molybdenum 214(1988)239

Isotope dilut. analysis; Extraction; Sulphur 219(1989)97

Plasma

Flow system; Spectrophotometry; Glucose 214(1988)455

H.p.l.c.; Doxorubicin; Reversed-phase ion-pair 217(1989)149

Plasmas

Mass spectrometry; Signal suppression; Trace metals; Inductively-coupled, Internal standard 211(1988)91

Emission spectrometry; H.p.l.c.; Flow system; Microliter samples, Peak-shaped input, Inductively-coupled 215(1988)143

Mass spectrometry; Review; Plasma source 216(1989)1

Flow system; Emission spectrometry; Boron; Waters; Inductively coupled 218(1989)69

Emission spectrometry; Ruthenium; Enhancement by periodic acid, Inductively coupled 218(1989)77

Platinum

Voltammetry; Sea water; Cathodic stripping 211(1988)129

Platinum group metals

H.p.l.c.; Ion exchange; Gold; Chloro complexes, Bonded phase silica 220(1989)195

Platinum metal

At. abs. spectrometry; Trace metals; Flame, Pulse aspiration 211(1988)311

Plutonium

Liquid chrom.; Extraction; Soils; α -Spectrometry 220(1989)103

Polar compounds

Mass spectrometry; Fuels; Methanol chemical-ionization 211(1988)83

Polymers

Spectrophotometry; Carboxyl groups 219(1989)161

Polynuclear aromatic hydrocarbons

Chemiluminescence; Micellar solution, Electrogenerated 215(1988)341

Polystyrene

Gas chromatography; Styrene monomer; Toluene solvent, Headspace 218(1989)345

Potassium

Flow system; Spectrophotometry; Extraction; Sodium; Waters; Silica column 214(1988)289

Potassium selective electrode

Potentiometry; Ultraviolet laser cured membrane 219(1989)135

Potentiometry; Comparison, Monoaza crown ethers, plasticizers 219(1989)141

Power plant steam cycle

Flow system; Potentiometry; Ammonia; Hydrazine; pH 214(1988)367

Preconcentration

Flow system; Ion exchange; At. abs. spectrometry; Emission spectrometry; Extraction; Gas diffusion; On-line separation 214(1988)41

Spectrophotometry; Flow system; Ion exchange; Geological samples; Uranium 214(1988)279

Spectrophotometry; Flow system; Brine; Calcium; Magnesium 214(1988)439

Flow system; At. abs. spectrometry; Extraction; C-18 bonded silica 216(1989)243

Prediction of spectra

N.m.r. spectrometry; Artificial intelligence; Carbon-13, Coding system 217(1989)85

Prednisolone

Spectrophotometry; Hydrocortisone; Tetrazolium salt 212(1988)273

Process control

Flow system; H.p.l.c.; Antibiotics production; On-line 213(1988)1

Dynamic process model 216(1989)307

Process control characteristics

Clinical data validity; Model 211(1988)43

Protein

Flow system; Kinetic analysis; Liquid chrom.; Computer controlled apparatus; Enzyme reactions; Stopped-flow 220(1989)13

Proteins

Flow system; Potentiometry; Streaming potential; Affinity column 213(1988)79

Flow system; Spectrophotometry 217(1989)359

Protein traces

Fluorimetry; Terbium chelate label 218(1989)143

Pulsed reagent introduction

Flow system; Spectrophotometry; Membrane reactor 215(1988)277

Pyrophosphate

Flow system; Thermom. analysis; Enzyme Reactor; Thermistor 214(1988)409

Q

Quadrupole ion trap

Mass spectrometry; Isomer distinction; Pentadienes 215(1988)223

Quaternary ammonium salts

Spectrophotometry; Extraction; Fabric conditioners; Hair conditioners; Tertiary alkylamines 219(1989)239

Quinine

H.p.l.c.; Caffeine; Morphine; Plant materials; Serum; Supercritical fluid extraction 213(1988)237

R

Rain

Titrimetry; Acidity; Substitution approach 217(1989)303

Anod. stripping voltammetry; Heavy metals; Seawater; Mercury microelectrodes, Differential-pulse 219(1989)19

Rare earth elements

Mass spectrometry; Waters; Isotope-dilution 218(1989)265

Ion exchange; Activ. analysis; Uranium 219(1989)313

Ion exchange; Brines; Preconcentration 220(1989)243

Recombinant DNA technology

Electrophoresis; Peptides; Capillary zone 213(1988)215

Reducing carbohydrates

Fluorimetry 217(1989)263

Reducing sugars

Potentiometry; Dinitrophenolate electrode; Honey 218(1989)37

Regression algorithms

Kalman filter; Robust, Least-median, Linear calibration, Least-squares 215(1988)131

Replacement-ion chromatography

H.p.l.c.; Emission spectrometry; Microwave-induced nitrogen discharge 215(1988)99

Resolution of binary mixtures

Kinetic analysis; Spectrophotometry; Cobalt; Nickel; Interpolation 212(1988)223

Resolution of overlapping peaks

Gas chromatography; H.p.l.c.; Mass spectrometry; Statistical and empirical functions 219(1989)257

Restriction endonucleases

Electrophoresis; Enteropathogenic bacteria 213(1988)273

Reversed matrix representation

Spectrophotometry; Niobium; Tantalum; Multicomponent mixtures 212(1988)145

Reversed-phase retention

H.p.l.c.; Characterization of stationary/mobile phases; Using markers 212(1988)95

Review

Potentiometry; Biosensors; Enzyme electrodes; Electronic, Opto-electronic 213(1988)23

Amperometry; Potentiometry; Fermentation processes; Microbiological sensors 213(1988)69

Flow system; Heterogeneous sample materials; Immobilized reagents 214(1988)1

Flow system; Extraction 214(1988)29

Flow system; At. abs. spectrometry; Emission spectrometry 214(1988)57

Mass spectrometry; Plasmas; Plasma source 216(1989)1

Mass spectrometry; Electron probe analysis; Ion-microprobe; Three-dimensional analysis; Secondary-ion 216(1989)25

Kinetic analysis 216(1989)69

H.p.l.c.; Gas chromatography; T.l.c.; Supercritical-fluid 216(1989)109

Voltammetry; Steady-state 216(1989)177

Flow system; Spectrophotometry; Enzymatic assays 216(1989)257

Flow system; Multiple peak recordings 216(1989)275

Flow system; Spectrophotometry; Amperometry; Unstable reagents 216(1989)289

Electron probe analysis; Microanalysis 218(1989)185

Rice flour

H.p.l.c.; Chemiluminescence; Cobalt 217(1989)157

Rumen bacteria

Pattern recognition; Animal feeds; Fodder plants; Enzymatically changed, Genetic varieties 213(1988)177

Ruthenium

Emission spectrometry; Plasmas; Enhancement by periodic acid, Inductively coupled 218(1989)77

S

Saliva

Polarography; Thiocyanate; Linear-sweep
212(1988)43

Samarium

Fluorimetry; Europium; Laser-excited, Time-resolved, Labelling of biomolecules 219(1989)67

Sample introduction

Flow system; Mass spectrometry; Arsenic; Chloroform 214(1988)385

Seawater

Voltammetry; Platinum; Cathodic stripping
211(1988)129

Ion exchange; Electrotherm. atomization; At. abs. spectrometry; Heavy metals; Pre-concentration, Chelex-100, pH and salts
211(1988)257

Ion exchange; Electrotherm. atomization; At. abs. spectrometry; Heavy metals; Pre-concentration, Chelex-100, Optimization, Plate simulation method 211(1988)271

Voltammetry; Nitrite; Waters; Cathodic stripping 212(1988)31

Polarography; Ion exchange; Molybdenum; Tungsten; Waters; Catalytic current, Preconcentration 218(1989)25

Anod. stripping voltammetry; Heavy metals; Rain; Mercury microelectrodes, Differential-pulse 219(1989)19

Sediments

At. abs. spectrometry; Trace metals; Nitric acid digestion 218(1989)335

Potentiometry; Nitrate-selective microelectrodes 219(1989)351

Sediment suspensions

Gas chromatography; Potentiometry; Voltammetry; Microbial reaction rates; Apparatus 213(1988)221

Self-modeling curve resolution

Kinetic analysis; Flow system; Spectrophotometry 218(1989)303

Semiconductor gas sensors

Conductometry; Pattern recognition; Odour-sensing system 215(1988)155

Conductometry; Gas chromatography; Alkanes; Hydrogen; Simplex optimization 216(1989)147

Conductometry; Acetic acid; Acetone; Computerised array; Ethanol 219(1989)213

Serum

Conductometry; Enzyme-catalyzed reactions; Urea 211(1988)205

Activ. analysis; Ion exchange; Trace metals
211(1988)231

H.p.l.c.; Thiopurine compounds; Micelles as mobile phase 212(1988)181

H.p.l.c.; Caffeine; Morphine; Plant materials; Quinine; Supercritical fluid extraction
213(1988)237

Flow system; Reflectance spectrometry; Creatinine; Gas diffusion 214(1988)147

Potentiometry; Choline-sensitive membrane electrode; Phosphatidylcholine 217(1989)193

Kinetic analysis; Flow system; Lactate dehydrogenase; Multi-detection, Cyclic system
219(1989)191

Signal suppression

Mass spectrometry; Plasmas; Trace metals; Inductively-coupled, Internal standard
211(1988)91

Silica

Gravimetry; Lead-bearing samples; Errors
219(1989)177

Fluorimetry; Uranium; Time-resolved laser
219(1989)181

Silicate materials

At. abs. spectrometry; Electrotherm. atomization; Microwave dissolution
220(1989)263

Silica with hydroxamic acid groups

Reflectance spectrometry; Opto-acoustic spectroscopy; Synthesis 219(1989)201

Silicon

Electrotherm. atomization; At. abs. spectrometry; Matrix modifiers 220(1989)83

Silver

Anod. stripping voltammetry; Chemicals;
Nafion/crown ether film electrode 212(1988)341

Amperometry; Titrimetry; Square-wave
219(1989)37

Potentiometry; Flow system; Photographic
fixers; Indirect 220(1989)287

Silver complexes stability constants

Potentiometry; Bromide; Thiocyanate; Monte
Carlo methods 215(1988)187

Simplex optimization

Conductometry; Gas chromatography; Alkanes;
Hydrogen; Semiconductor gas sensors
216(1989)147

Slags

Potentiometry; Fluoride; Ores; Direct fusion
219(1989)335

Slope estimations at terminal values

Equidistant data of three derivatives
217(1989)395

Sludges

H.p.l.c.; Ion exchange; Conductometry; Soils;
Tungstate 217(1989)383

Sodium

Flow system; Spectrophotometry; Extraction;
Potassium; Waters; Silica column 214(1988)289
ExtractionLithium; Synergic 220(1989)111

Sodium hydrogensulphite

Flow system; Spectrophotometry; Parenteral
solutions 220(1989)281

Sodium ion membrane electrode

Potentiometry; Crown ether, PVC 212(1988)325

Soils

H.p.l.c.; Ion exchange; Conductometry; Sludges;
Tungstate 217(1989)383

Liquid chrom.; Extraction; Plutonium;
 α -Spectrometry 220(1989)103

Spatial resolution

Gas chromatography; Mass spectrometry; T.l.c.;
Pattern recognition; Secondary ion, Phase-
transition matrix 218(1989)217

Spectral feature/substructure relationships

Mass spectrometry; Pattern recognition;
Artificial-intelligence program; Automated
elucidation, Tandem 215(1988)169

Spinal fluid

Voltammetry; Halides; Waters; Cathodic
stripping 215(1988)307

Stability of iron complexes

N.m.r. spectrometry; Magnetic resonance
imaging agents 217(1989)391

Staining system

Electrophoresis; Biomolecule purification;
Automated 213(1988)207

Steels

Flow system; Spectrophotometry; Electrolytic
dissolution; Molybdenum 214(1988)397

Spectrophotometry; Extraction; Molybdenum
219(1989)323

Steroids

T.l.c.; Mass spectrometry; Peptides; Surface
derivatization; Secondary ion 218(1989)231

Stopped-flow technique

Chemiluminescence; Hydrogen peroxide;
Luminol 217(1989)239

Streaming potential

Flow system; Potentiometry; Proteins; Affinity
column 213(1988)79

Strongly oxidizing agents

Spectrophotometry; Flow system;
Monosaccharides; Manganese(VI), Copper(III)
211(1988)99

Structure retention relationship

Gas chromatography; Alkylbenzenes
212(1988)317

Styrene monomer

Gas chromatography; Polystyrene; Toluene
solvent, Headspace 218(1989)345

Substitution approach

Titrimetry; Acidity; Rain 217(1989)303

Sucrose

Spectrophotometry; Flow system; Molasses;
Sugar-cane juice 214(1988)247

Sugar-cane juice

Spectrophotometry; Flow system; Molasses;
Sucrose 214(1988)247

Sulphamethizole

Kinetic analysis; Potentiometry; Cephalexin;
Cetyltrimethylammonium bromide;
Pharmaceuticals; Micellar catalysis 219(1989)295

Sulphate

H.p.l.c.; Conductometry; Air; Nitrate; Nitrite;
Passive monitors 217(1989)135

Sulphite electrode

Potentiometry; Polymeric-membrane
217(1989)123

Sulphur

Isotope dilut. analysis; Extraction; Plants
219(1989)97

Sulphur anions

Flow system; Kinetic analysis; Catalyzed
iodine-azide reaction 211(1988)299

Sulphur-containing pesticides

Amperometry; H.p.l.c.; Pulsed, Reversed-phase
215(1988)1

Sulphur dioxide

Flow system; Chemiluminescence; Wines; Young
white 214(1988)429

Piezoelectric sensing; Organophosphine
transition metal complexes 217(1989)101

Opto-acoustic spectroscopy; Gases; Ultraviolet
laser 218(1989)101

Superconducting ceramics

Chemiluminescence; Metastable transfer
emission spectrometry; Thermally labile oxygen;
High-temperature, Microwave discharge
217(1989)53

Supercritical fluid extraction

H.p.l.c.; Caffeine; Morphine; Plant materials;
Quinine; Serum 213(1988)237

Superoxide dismutase activity

Flow system; Amperometry; Oxygen probe
211(1988)195

Superoxide generation

E.s.r.; Chemiluminescence 218(1989)179

Surface derivatization

T.l.c.; Mass spectrometry; Peptides; Steroids;
Secondary ion 218(1989)231

Surface plasmon resonance immunosensors

Immunoassay; Sensitivity 213(1988)35

Symbolic logic

I.r. spectrometry; Automated structure
elucidation; Computer program 220(1989)155

T**Talc**

I.r. spectrometry; Geological samples
217(1989)353

Tantalum

Spectrophotometry; Niobium; Reversed matrix
representation; Multicomponent mixtures
212(1988)145

Technetium

Voltammetry; Glassy carbon, Tri-n-
octylphosphine oxide, Differential-pulse,
Cathodic stripping 211(1988)317

Tellurium metal

Ion exchange; At. abs. spectrometry; Cobalt;
Copper; Manganese; Nickel 212(1988)191

Temperature programmed decomposition

Gas chromatography; Carbon dioxide; Carbon
monoxide; Methane 217(1989)197

Tertiary alkylamines

Spectrophotometry; Extraction; Fabric
conditioners; Hair conditioners; Quaternary
ammonium salts 219(1989)239

Tetraalkylammonium sulphonates

Spectrophotometry; Gas chromatography;
H.p.l.c. 218(1989)241

Thallium

Activ. analysis; Zinc metal; Proton 220(1989)93

Thermally labile oxygen

Chemiluminescence; Metastable transfer
emission spectrometry; Superconducting
ceramics; High-temperature, Microwave
discharge 217(1989)53

Thiobenzamides

Kinetic analysis; Spectrophotometry; Catalysis,
Partition coefficients 212(1988)279

Thiocyanate

Polarography; Saliva; Linear-sweep 212(1988)43

Flow system; Spectrophotometry; Cyanide;
Microporous membrane 214(1988)259

Potentiometry; Bromide; Silver complexes stability constants; Monte Carlo methods 215(1988)187

Spectrophotometry; Flow system; Cyanide 220(1989)65

Thiopurine compounds

H.p.l.c.; Serum; Micelles as mobile phase 212(1988)181

Three-dimensional analysis

Mass spectrometry; Electron probe analysis; Ion-microprobe; Review; Secondary-ion 216(1989)25

Toluene

Piezoelectric sensing; Antibody-coated sensors; Pesticides; Film-free 217(1989)111

Total organic carbon

Conductometry; Volatile organic carbon; Waters; Denuder/electrolytic conductivity flow cell 220(1989)1

Toxic compounds

Mass spectrometry; Pattern recognition; Inductive expert system; SIMCA class modeling 211(1988)11

Trace elements

Ion exchange; At. abs. spectrometry; Spectrophotometry; Manganese metal 215(1988)111

Ion exchange; At. abs. spectrometry; Spectrophotometry; Manganese metal 215(1988)317

Activ. analysis; Environmental materials; Instrumental neutron 219(1989)317

Principal components; Electrotherm. atomization; At. abs. spectrometry; Mussels; Polluted and unpolluted 220(1989)135

Trace metals

Mass spectrometry; Plasmas; Signal suppression; Inductively-coupled, Internal standard 211(1988)91

Activ. analysis; Ion exchange; Serum 211(1988)231

At. abs. spectrometry; Platinum metal; Flame, Pulse aspiration 211(1988)311

Anod. stripping voltammetry; Diff. pulse polarography; Flow system; Waters; Differential-pulse 215(1988)13

At. abs. spectrometry; Sediments; Nitric acid digestion 218(1989)335

Trace organic compounds

Spectrophotometry; Flow system; Membrane-separation 214(1988)299

Transition metal ions

E.s.r.; Variation of temperature, First-derivative 218(1989)93

Trinitrotoluene

Spectrophotometry; Optical membrane; Waters; Clear, Amine-containing poly(vinyl chloride) 217(1989)217

Tungstate

H.p.l.c.; Ion exchange; Conductometry; Sludges; Soils 217(1989)383

Tungsten

Polarography; Ion exchange; Molybdenum; Seawater; Waters; Catalytic current, Preconcentration 218(1989)25

U

Umbelliferyl sugars

Fluorimetry; Lectin; Quenching 220(1989)225

Unstable reagents

Flow system; Spectrophotometry; Amperometry; Review 216(1989)289

Uracil derivatives

Voltammetry; D.c. polarography; Diff. pulse polarography; Cathodic stripping 211(1988)155

H.p.l.c.; Flow system; Voltammetry; Blood; Urine; Differential pulse, Cathodic stripping 211(1988)175

Uranium

Spectrophotometry; Flow system; Ion exchange; Geological samples; Preconcentration 214(1988)279

Fluorimetry; Silica; Time-resolved laser 219(1989)181

Ion exchange; Activ. analysis; Rare earth elements 219(1989)313

Urea

Conductometry; Enzyme-catalyzed reactions; Serum 211(1988)205

Spectrophotometry; Flow system; Body fluids; Urease reactor 218(1989)151

Urease reactor

Spectrophotometry; Flow system; Body fluids; Urea 218(1989)151

Uric acid

Potentiometry; Field-effect transistor; Hypoxanthine sensor; Amorphous silicon 215(1988)301

Urine

H.p.l.c.; Flow system; Voltammetry; Blood; Uracil derivatives; Differential pulse, Cathodic stripping 211(1988)175

H.p.l.c.; Ethylenethiourea; Filters; Occupational hygiene 212(1988)297

At. abs. spectrometry; Electrotherm. atomization; Beryllium; Matrix modifier 217(1989)271

Voltammetry; Kinetic analysis; Metalloporphyrin modified glassy carbon electrodes 217(1989)343

H.p.l.c.; Catecholamines; On-line purification 218(1989)119

Potentiometry; Kinetic analysis; Pharmaceuticals; Phytic acid; Crystalline growth of calcium oxalate 219(1989)89

V**Valine**

Flow system; Fluorimetry; Enzyme reactor; Isoleucine; Leucine; Immobilized leucine dehydrogenase 218(1989)161

Vanadium

At. abs. spectrometry; Extraction; Indirect 218(1989)341

Cyclic voltammetry; Diff. pulse polarography; Marine organisms 219(1989)281

Vegetables

Potentiometry; Fluorine; Plants; Open-flame ashing, Microdiffusion 212(1988)133

Viscometry

Lysozyme activity 219(1989)123

Viscosity monitoring

Piezoelectric sensing; Endotoxin; Gelation of *Limulus* amoebocyte lysate 215(1988)91

Volatile metabolites

Gas chromatography; Fermentation broths 213(1988)11

Volatile organic carbon

Conductometry; Total organic carbon; Waters; Denuder/electrolytic conductivity flow cell 220(1989)1

W**Waters**

Spectrophotometry; Phosphorus; Vanadomolybdophosphate 211(1988)119

Spectrophotometry; Humic substances; Iron 211(1988)293

Titrimetry; Voltammetry; Complexation in natural waters; Computer simulation of errors; Stripping 212(1988)1

Voltammetry; Nitrite; Seawater; Cathodic stripping 212(1988)31

H.p.l.c.; Flow system; Extraction; Organophosphorus pesticides 212(1988)123

Phosphorimetry; Aluminium; Dialysis fluids; Room-temperature, Ferron chelate in micellar media 212(1988)235

Spectrophotometry; Flow system; Calcium; Magnesium; Simultaneous 212(1988)291

Voltammetry; Chloroform; Cresol; Enzyme electrode 213(1988)113

Spectrophotometry; Flow system; Capillary digester; Phosphorus 214(1988)229

Flow system; Spectrophotometry; Extraction;
Potassium; Sodium; Silica column 214(1988)289

Flow system; At. abs. spectrometry; Lead
preconcentration; Flame 214(1988)329

Potentiometry; Flow system; Chlorine
214(1988)349

Cyclic voltammetry; Flow system; Phenolic
compounds; Derivative 214(1988)375

Spectrophotometry; Flow system; Ammonia;
Field monitor 214(1988)401

Anod. stripping voltammetry; Diff. pulse
polarography; Flow system; Trace metals;
Differential-pulse 215(1988)13

Anod. stripping voltammetry; Cadmium;
Copper; Internal standard; Lead; High-accuracy,
Differential-pulse, Indium 215(1988)21

Polarography; Chlorine; Phenylthiourea
solutions; Linear-sweep, Active 215(1988)37

Piezoelectric sensing; Iodide 215(1988)79

At. abs. spectrometry; Flow system; Cationic
surfactants; Extraction; Indirect, With
tetrathiocyanatocobaltate 215(1988)233

Voltammetry; Halides; Spinal fluid; Cathodic
stripping 215(1988)307

Spectrophotometry; Ozone; Indirect
215(1988)353

Spectrophotometry; Optical membrane;
Trinitrotoluene; Clear, Amine-containing
poly(vinyl chloride) 217(1989)217

Polarography; Ion exchange; Molybdenum;
Seawater; Tungsten; Catalytic current,
Preconcentration 218(1989)25

Potentiometry; Titrimetry; Calcium; Magnesium
218(1989)47

Flow system; Emission spectrometry; Boron;
Plasmas; Inductively coupled 218(1989)69

Mass spectrometry; Rare earth elements;
Isotope-dilution 218(1989)265

Ion exchange; At. abs. spectrometry; Copper
speciation 219(1989)1

I.r. spectrometry; Chlorobenzenesulphonic acid
219(1989)165

Spectrophotometry; Flow system; Iron; Wine;
Integrated retention 219(1989)231

Flow system; Spectrophotometry; Fluoride
219(1989)329

Ion exchange; Mercury; Preconcentration
219(1989)339

Flow system; Spectrophotometry; Iron;
Sandwich techniques 219(1989)345

Conductometry; Total organic carbon; Volatile
organic carbon; Denuder/electrolytic
conductivity flow cell 220(1989)1

H.p.l.c.; Titrimetry; Gravimetry; Anions;
Orthogonal regression 220(1989)207

Water traces

Flow system; Spectrophotometry; Organic
solvents 220(1989)55

Wave-guide capillary cell

Flow system; Spectrophotometry; Copper
212(1988)245

Wine

Anod. stripping voltammetry; Heavy metals;
Mercury microelectrodes, Differential-pulse
219(1989)9

Spectrophotometry; Flow system; Iron; Waters;
Integrated retention 219(1989)231

Wines

Flow system; Chemiluminescence; Sulphur
dioxide; Young white 214(1988)429

X

Xylose

Flow system; Amperometry; Enzyme reactor;
Xylulose 213(1988)139

Xylulose

Flow system; Amperometry; Enzyme reactor;
Xylose 213(1988)139

Y

Yeasts

Potentiometry; Voltammetry; Flow system;
Fluorimetry; Bioreactors; High-performance,
On-line sensors 213(1988)199

Z

Zinc

Flow system; At. abs. spectrometry; Biological
tissues; Cadmium; Microwave digestion
214(1988)421

Fluorimetry 217(1989)363

Zinc metal

Activ. analysis; Thallium; Proton 220(1989)93

TECHNIQUE INDEX
VOLUMES 211-220

A

Activation analysis

Ion exchange; Serum; Trace metals 211(1988)231

Ion exchange; Rare earth elements; Uranium 219(1989)313

Environmental materials; Trace elements; Instrumental neutron 219(1989)317

Thallium; Zinc metal; Proton 220(1989)93

Amperometry

Flow system; Superoxide dismutase activity; Oxygen probe 211(1988)195

Potentiometry; Fermentation processes; Microbiological sensors; Review 213(1988)69

Flow system; Enzyme electrode; Enzyme reactor; Lactate 213(1988)91

Flow system; Electrochemical biosensors; Milk components; Metabolites 213(1988)101

Flow system; Enzyme reactor; Xylose; Xylulose 213(1988)139

Flow system; Ion exchange; Acetylcholine; Choline; Enzyme reactor; Lipids 214(1988)173

Flow system; Enzyme reactor; Glutathione 214(1988)415

H.p.l.c.; Sulphur-containing pesticides; Pulsed, Reversed-phase 215(1988)1

H.p.l.c.; Aldehydes; Ketones; Photoelectrochemical detector; Mechanism, Alkyl, Aryl 215(1988)45

Microbial concentration; Reaction mechanism 215(1988)61

Flow system; Spectrophotometry; Review; Unstable reagents 216(1989)289

Flow system; Chemically sterilizable barrier; Fermentor monitoring; Glucose; Oxygen 216(1989)299

Flow system; Enzyme reactor; Oxalate; Immobilized oxalate oxidase 218(1989)1

Alcohol sensor; Membrane-bound alcohol dehydrogenase 218(1989)61

H.p.l.c.; Enzyme reactor; Nicotinamide coenzymes 218(1989)129

Galactose; Glucose biosensor 218(1989)137

Flow system; Bioelectrodes from plant tissue; Dopamine; Dual electrode 218(1989)281

Titrimetry; Silver; Square-wave 219(1989)37

Fatty acid sensor; Immobilized enzymes 220(1989)251

Anodic stripping voltammetry

Copper; Fulvic acid equilibria; Labile metal fraction; Lead; Sampled-d.c. 211(1988)141

Chemicals; Silver; Nafion/crown ether film electrode 212(1988)341

Alkyllead species; Separation, Coprecipitation, Differential-pulse 212(1988)349

Diff. pulse polarography; Flow system; Trace metals; Waters; Differential-pulse 215(1988)13

Cadmium; Copper; Internal standard; Lead; Waters; High-accuracy, Differential-pulse, Indium 215(1988)21

Heavy metals; Wine; Mercury microelectrodes, Differential-pulse 219(1989)9

Heavy metals; Rain; Seawater; Mercury microelectrodes, Differential-pulse 219(1989)19

Cadmium; Lead; Square-wave, Mercury-plated reticulated vitreous carbon electrode 219(1989)153

Atomic absorption spectrometry

Ion exchange; Electrotherm. atomization; Heavy metals; Seawater; Pre-concentration, Chelex-100, pH and salts 211(1988)257

Ion exchange; Electrotherm. atomization; Heavy metals; Seawater; Pre-concentration, Chelex-100, Optimization, Plate simulation method 211(1988)271

Platinum metal; Trace metals; Flame, Pulse aspiration 211(1988)311

Ion exchange; Cobalt; Copper; Manganese; Nickel; Tellurium metal 212(1988)191

Flow system; Ion exchange; Emission spectrometry; Extraction; Gas diffusion; On-line separation; Preconcentration 214(1988)41

Flow system; Emission spectrometry; Review 214(1988)57

Flow system; Lead preconcentration; Waters; Flame 214(1988)329

Flow system; Calcium; Interference removal; Flame 214(1988)339

Flow system; Biological tissues; Cadmium;
Microwave digestion; Zinc 214(1988)421

Ion exchange; Spectrophotometry; Manganese
metal; Trace elements 215(1988)111

Flow system; Cationic surfactants; Extraction;
Waters; Indirect, With tetrathiocyanatocobaltate
215(1988)233

Flow system; Anaesthetics; Pharmaceuticals;
Indirect, Precipitation 215(1988)241

Ion exchange; Spectrophotometry; Manganese
metal; Trace elements 215(1988)317

Flow system; Extraction; Preconcentration; C-18
bonded silica 216(1989)243

Extraction; Metal complexes; Ore; Palladium;
Ammonium pyrrolidine dithiocarbamate, Methyl
isobutyl ketone 217(1989)165

Electrotherm. atomization; Beryllium; Urine;
Matrix modifier 217(1989)271

Electrotherm. atomization; Cobalt; Iron; Nickel;
Molybdenum tube 217(1989)377

Electrotherm. atomization; Copper;
Environmental samples; Extraction; Lead
218(1989)173

Sediments; Trace metals; Nitric acid digestion
218(1989)335

Extraction; Vanadium; Indirect 218(1989)341

Ion exchange; Copper speciation; Waters
219(1989)1

Electrotherm. atomization; Foods; Molybdenum
219(1989)79

Electrotherm. atomization; Phosphorus; Platform
219(1989)127

Electrotherm. atomization; Silicon; Matrix
modifiers 220(1989)83

Principal components; Electrotherm.
atomization; Mussels; Trace elements; Polluted
and unpolluted 220(1989)135

Biological samples; Mercury; Microwave
dissolution; Gold amalgamation, Cold-vapour
220(1989)257

Electrotherm. atomization; Microwave
dissolution; Silicate materials 220(1989)263

C

Chemiluminescence

Spectrophotometry; Flow system; Lactic acid
fermentations; In-line monitoring 214(1988)137

Flow system; Sulphur dioxide; Wines; Young
white 214(1988)429

Polynuclear aromatic hydrocarbons; Micellar
solution, Electrogenerated 215(1988)341

H.p.l.c.; Fluorimetry; Aminocoumarins
217(1989)11

Metastable transfer emission spectrometry;
Superconducting ceramics; Thermally labile
oxygen; High-temperature, Microwave discharge
217(1989)53

H.p.l.c.; Cobalt; Rice flour 217(1989)157

Bis(trichlorophenyl) oxalate; Micellar system
217(1989)229

Hydrogen peroxide; Stopped-flow technique;
Luminol 217(1989)239

Organic compounds 217(1989)371

E.s.r.; Superoxide generation 218(1989)179

Chromatography

see Gas chromatography, High-performance
liquid chromatography, Liquid chromatography,
Thin-layer chromatography

Conductometry

Enzyme-catalyzed reactions; Serum; Urea
211(1988)205

Ethanol production; Baker's yeast, Gas sensor
213(1988)151

Kinetic analysis; Blood; Enzyme activities
213(1988)267

Flow system; Spectrophotometry;
Potentiometry; Fluorimetry; Automated micro
batch analyser; Microcomputer control
214(1988)107

Ethanol probe; Fermentors; Membrane gas
sensor 215(1988)71

Pattern recognition; Odour-sensing system;
Semiconductor gas sensors 215(1988)155

Gas chromatography; Alkanes; Hydrogen;
Semiconductor gas sensors; Simplex optimization
216(1989)147

H.p.l.c.; Air; Nitrate; Nitrite; Passive monitors;
Sulphate 217(1989)135

H.p.l.c.; Ion exchange; Sludges; Soils; Tungstate
217(1989)383

Acetic acid; Acetone; Computerised array;
Ethanol; Semiconductor gas sensors
219(1989)213

Isotachopheresis automation; Data management
219(1989)247

Total organic carbon; Volatile organic carbon;
Waters; Denuder/electrolytic conductivity flow
cell 220(1989)1

Coulometry

Acetyl ion generation; Organic bases; Oxidation
of mercury in acetic anhydride 212(1988)73

Cyclic voltammetry

Digital simulation; Non-first-order electrode
reactions, Finite-difference, Linear-sweep
211(1988)75

Flow system; (Fast scans) 211(1988)287

Chronoamperometry; Lead; Carbon fibre
electrodes 212(1988)331

Flow system; Phenolic compounds; Waters;
Derivative 214(1988)375

Diff. pulse polarography; Marine organisms;
Vanadium 219(1989)281

D

D.c. polarography

Voltammetry; Diff. pulse polarography; Uracil
derivatives; Cathodic stripping 211(1988)155

Anion-induced adsorption; Metal ions
218(1989)7

Differential pulse polarography

Voltammetry; D.c. polarography; Uracil
derivatives; Cathodic stripping 211(1988)155

Anod. stripping voltammetry; Flow system;
Trace metals; Waters; Differential-pulse
215(1988)13

Cyclic voltammetry; Marine organisms;
Vanadium 219(1989)281

Differential pulse voltammetry

Anaerobic adhesive; Copper; Iron; Glassy
carbon electrode 217(1989)335

E

Electron probe analysis

Mass spectrometry; Ion-microprobe; Review;
Three-dimensional analysis; Secondary-ion
216(1989)25

Microanalysis; Review 218(1989)185

Electron spin resonance

Transition metal ions; Variation of temperature,
First-derivative 218(1989)93

Chemiluminescence; Superoxide generation
218(1989)179

Electrophoresis

Biomolecule purification; Staining system;
Automated 213(1988)207

Peptides; Recombinant DNA technology;
Capillary zone 213(1988)215

Enteropathogenic bacteria; Restriction
endonucleases 213(1988)273

Electrothermal atomization

Ion exchange; At. abs. spectrometry; Heavy
metals; Seawater; Pre-concentration, Chelex-100,
pH and salts 211(1988)257

Ion exchange; At. abs. spectrometry; Heavy
metals; Seawater; Pre-concentration, Chelex-100,
Optimization, Plate simulation method
211(1988)271

At. abs. spectrometry; Beryllium; Urine; Matrix
modifier 217(1989)271

At. abs. spectrometry; Cobalt; Iron; Nickel;
Molybdenum tube 217(1989)377

At. abs. spectrometry; Copper; Environmental samples; Extraction; Lead 218(1989)173

At. abs. spectrometry; Foods; Molybdenum 219(1989)79

At. abs. spectrometry; Phosphorus; Platform 219(1989)127

At. abs. spectrometry; Silicon; Matrix modifiers 220(1989)83

Principal components; At. abs. spectrometry; Mussels; Trace elements; Polluted and unpolluted 220(1989)135

At. abs. spectrometry; Microwave dissolution; Silicate materials 220(1989)263

Emission spectrometry

Flow system; Ion exchange; At. abs. spectrometry; Extraction; Gas diffusion; On-line separation; Preconcentration 214(1988)41

Flow system; At. abs. spectrometry; Review 214(1988)57

H.p.l.c.; Microwave-induced nitrogen discharge; Replacement-ion chromatography 215(1988)99

H.p.l.c.; Flow system; Plasmas; Microliter samples, Peak-shaped input, Inductively-coupled 215(1988)143

Flow system; Boron; Plasmas; Waters; Inductively coupled 218(1989)69

Plasmas; Ruthenium; Enhancement by periodic acid, Inductively coupled 218(1989)77

F

Flow system

Spectrophotometry; Multicomponent determinations; Partial least squares modeling 211(1988)1

Spectrophotometry; Monosaccharides; Strongly oxidizing agents; Manganese(VI), Copper(III) 211(1988)99

H.p.l.c.; Voltammetry; Blood; Uracil derivatives; Urine; Differential pulse, Cathodic stripping 211(1988)175

Amperometry; Superoxide dismutase activity; Oxygen probe 211(1988)195

Potentiometry; Calcium selective electrodes 211(1988)213

Spectrophotometry; Alcoholic beverages; Enzyme reactor; Glucose; NADPH formed 211(1988)281

Cyclic voltammetry; (Fast scans) 211(1988)287

Kinetic analysis; Sulphur anions; Catalyzed iodine-azide reaction 211(1988)299

H.p.l.c.; Extraction; Organophosphorus pesticides; Waters 212(1988)123

Spectrophotometry; Copper; Wave-guide capillary cell 212(1988)245

Spectrophotometry; Calcium; Magnesium; Waters; Simultaneous 212(1988)291

H.p.l.c.; Antibiotics production; Process control; On-line 213(1988)1

Fluorimetry; Fermentation; Phenylalanine 213(1988)55

Potentiometry; Proteins; Streaming potential; Affinity column 213(1988)79

Amperometry; Enzyme electrode; Enzyme reactor; Lactate 213(1988)91

Amperometry; Electrochemical biosensors; Milk components; Metabolites 213(1988)101

Amperometry; Enzyme reactor; Xylose; Xylulose 213(1988)139

Potentiometry; Voltammetry; Fluorimetry; Bioreactors; Yeasts; High-performance, On-line sensors 213(1988)199

Fluorimetry; Kinetics of analytical bioreactor 213(1988)245

Heterogeneous sample materials; Immobilized reagents; Review 214(1988)1

Extraction; Review 214(1988)29

Ion exchange; At. abs. spectrometry; Emission spectrometry; Extraction; Gas diffusion; On-line separation; Preconcentration 214(1988)41

At. abs. spectrometry; Emission spectrometry; Review 214(1988)57

Spectrophotometry; Dispersion behaviour; Impulse/response functions; Fourier algorithm 214(1988)77

- Spectrophotometry; Biotechnology assays; High-sensitivity flow injection; Macromolecules 214(1988)87
- Spectrophotometry; Dispersion 214(1988)97
- Conductometry; Spectrophotometry; Potentiometry; Fluorimetry; Automated micro batch analyser; Microcomputer control 214(1988)107
- Spectrophotometry; Ion exchange; Ammonium ions; Gas-diffusion separation 214(1988)121
- Spectrophotometry; Chemiluminescence; Lactic acid fermentations; In-line monitoring 214(1988)137
- Reflectance spectrometry; Creatinine; Serum; Gas diffusion 214(1988)147
- Spectrophotometry; Fluorimetry; Enzyme reactor; Ethanol; Linear and cyclic 214(1988)161
- Amperometry; Ion exchange; Acetylcholine; Choline; Enzyme reactor; Lipids 214(1988)173
- Spectrophotometry; Iron; Nickel; Doublet peaks 214(1988)197
- Spectrophotometry; Amines; Nitrite; Aromatic primary 214(1988)207
- Spectrophotometry; Ion exchange; Copper; Integrated reaction, Unsegmented 214(1988)217
- Spectrophotometry; Capillary digester; Phosphorus; Waters 214(1988)229
- Kinetic analysis; Spectrophotometry; Ion exchange; Molybdenum; Plants 214(1988)239
- Spectrophotometry; Molasses; Sucrose; Sugar-cane juice 214(1988)247
- Spectrophotometry; Cyanide; Microporous membrane; Thiocyanate 214(1988)259
- Spectrophotometry; Catalysts; Dental alloys; Palladium 214(1988)271
- Spectrophotometry; Ion exchange; Geological samples; Preconcentration; Uranium 214(1988)279
- Spectrophotometry; Extraction; Potassium; Sodium; Waters; Silica column 214(1988)289
- Spectrophotometry; Membrane-separation; Trace organic compounds 214(1988)299
- Spectrophotometry; Octanol/water partition coefficients; Dialyzer 214(1988)315
- At. abs. spectrometry; Lead preconcentration; Waters; Flame 214(1988)329
- At. abs. spectrometry; Calcium; Interference removal; Flame 214(1988)339
- Potentiometry; Chlorine; Waters 214(1988)349
- Potentiometry; Computerised data-acquisition; Multi-ion sensor cell 214(1988)359
- Potentiometry; Ammonia; Hydrazine; pH; Power plant steam cycle 214(1988)367
- Cyclic voltammetry; Phenolic compounds; Waters; Derivative 214(1988)375
- Mass spectrometry; Arsenic; Chloroform; Sample introduction 214(1988)385
- Spectrophotometry; Large-bore systems 214(1988)391
- Spectrophotometry; Electrolytic dissolution; Molybdenum; Steels 214(1988)397
- Spectrophotometry; Ammonia; Field monitor; Waters 214(1988)401
- Thermom. analysis; Enzyme Reactor; Pyrophosphate; Thermistor 214(1988)409
- Amperometry; Enzyme reactor; Glutathione 214(1988)415
- At. abs. spectrometry; Biological tissues; Cadmium; Microwave digestion; Zinc 214(1988)421
- Chemiluminescence; Sulphur dioxide; Wines; Young white 214(1988)429
- Spectrophotometry; Fluoride 214(1988)433
- Spectrophotometry; Brine; Calcium; Magnesium; Preconcentration 214(1988)439
- Spectrophotometry; Chloride; Detection limit 214(1988)447
- Spectrophotometry; Glucose; Plasma 214(1988)455
- Anod. stripping voltammetry; Diff. pulse polarography; Trace metals; Waters; Differential-pulse 215(1988)13
- Emission spectrometry; H.p.l.c.; Plasmas; Microliter samples, Peak-shaped input, Inductively-coupled 215(1988)143
- At. abs. spectrometry; Cationic surfactants; Extraction; Waters; Indirect, With tetrathiocyanatocobaltate 215(1988)233

At. abs. spectrometry; Anaesthetics; Pharmaceuticals; Indirect, Precipitation 215(1988)241

Spectrophotometry; Membrane reactor; Pulsed reagent introduction 215(1988)277

Potentiometry; Cyanide; Heterogeneous membrane electrodes; Gas diffusion 215(1988)283

At. abs. spectrometry; Extraction; Preconcentration; C-18 bonded silica 216(1989)243

Spectrophotometry; Enzymatic assays; Review 216(1989)257

Multiple peak recordings; Review 216(1989)275

Spectrophotometry; Amperometry; Review; Unstable reagents 216(1989)289

Amperometry; Chemically sterilizable barrier; Fermentor monitoring; Glucose; Oxygen 216(1989)299

Spectrophotometry; Kinetic analysis; High-purity chemicals; Manganese; Catalytic effect 217(1989)23

Spectrophotometry; Perchlorate; With Brilliant Green 217(1989)177

Spectrophotometry; Permanganate 217(1989)183

Spectrophotometry; Proteins 217(1989)359

Amperometry; Enzyme reactor; Oxalate; Immobilized oxalate oxidase 218(1989)1

Emission spectrometry; Boron; Plasmas; Waters; Inductively coupled 218(1989)69

Spectrophotometry; Body fluids; Urea; Urease reactor 218(1989)151

Fluorimetry; Enzyme reactor; Isoleucine; Leucine; Valine; Immobilized leucine dehydrogenase 218(1989)161

Amperometry; Bioelectrodes from plant tissue; Dopamine; Dual electrode 218(1989)281

Spectrophotometry; Enzyme reactor; Glucose; Characterization of activity 218(1989)291

Kinetic analysis; Spectrophotometry; Self-modeling curve resolution 218(1989)303

Ion exchange; Potentiometry; Halides 219(1989)55

Kinetic analysis; Lactate dehydrogenase; Serum; Multi-detection, Cyclic system 219(1989)191

Spectrophotometry; Iron; Waters; Wine; Integrated retention 219(1989)231

Spectrophotometry; Fluoride; Waters 219(1989)329

Spectrophotometry; Iron; Waters; Sandwich techniques 219(1989)345

Kinetic analysis; Liquid chrom.; Computer controlled apparatus; Enzyme reactions; Protein; Stopped-flow 220(1989)13

Kinetic analysis; Gradient chamber; Model for unsegmented 220(1989)23

Spectrophotometry; Dispersion parameters; Prediction 220(1989)43

Spectrophotometry; Organic solvents; Water traces 220(1989)55

Spectrophotometry; Cyanide; Thiocyanate 220(1989)65

Voltammetry; Alkali metal ions; Alkaline earth metal ions; Glassy carbon fibres 220(1989)269

Cylindrical cavity-type phase separator; Extraction 220(1989)275

Spectrophotometry; Parenteral solutions; Sodium hydrogensulphite 220(1989)281

Potentiometry; Photographic fixers; Silver; Indirect 220(1989)287

Fluorimetry

H.p.l.c.; Methoxypsoralen 211(1988)333

H.p.l.c.; Alkylamines; Post-column derivatization 212(1988)155

Oxygen sensor; Energy transfer-based optical 212(1988)261

Calcium; Fibre-optic sensor 212(1988)267

Dysprosium; Enhancement by alkaline earth metal ions 212(1988)285

Fermentation; Microorganisms; Immobilized 213(1988)47

Flow system; Fermentation; Phenylalanine 213(1988)55

Potentiometry; Voltammetry; Flow system; Bioreactors; Yeasts; High-performance, On-line sensors 213(1988)199

Flow system; Kinetics of analytical bioreactor 213(1988)245

Flow system; Conductometry;
Spectrophotometry; Potentiometry; Automated
micro batch analyser; Microcomputer control
214(1988)107

Flow system; Spectrophotometry; Enzyme
reactor; Ethanol; Linear and cyclic 214(1988)161

Naphthyl phenyloxazole; Optical multiplexing;
Two-photon excited, Fibre-optic star coupler
215(1988)203

H.p.l.c.; Aromatic aldehydes; 1,2-Diamino-4,5-
ethylenedioxybenzene reagent 215(1988)259

Dicarbonyl compounds; 1,2-Diamino-4,5-
methylenedioxybenzene reagent 215(1988)267

Dysprosium; EDTA/Tiron/surfactant
215(1988)331

Anthracene; Benzocarbazole; Solvent effect,
Synchronous 215(1988)347

Potentiometry; Calcium-selective optrode;
Langmuir-Blodgett film 217(1989)1

H.p.l.c.; Chemiluminescence; Aminocoumarins
217(1989)11

Fibre-optic chemical sensor; Pressurized
membrane indicator 217(1989)249

Reducing carbohydrates 217(1989)263

Zinc 217(1989)363

Protein traces; Terbium chelate label
218(1989)143

Flow system; Enzyme reactor; Isoleucine;
Leucine; Valine; Immobilized leucine
dehydrogenase 218(1989)161

Gallium; Synchronous derivative 218(1989)167

Europium; Samarium; Laser-excited, Time-
resolved, Labelling of biomolecules 219(1989)67

Silica; Uranium; Time-resolved laser
219(1989)181

Carbon dioxide; Fibre-optic sensor 219(1989)223

Fluoride; Optical-fibre sensor 220(1989)75

Lectin; Umbelliferyl sugars; Quenching
220(1989)225

Lanthanide ions; Laser-induced, Time-resolved
220(1989)235

G

Gas chromatography

Camomile extract; Component number;
Capillary, Statistical estimation 212(1988)165

Alkylbenzenes; Structure retention relationship
212(1988)317

Fermentation broths; Volatile metabolites
213(1988)11

Potentiometry; Voltammetry; Microbial reaction
rates; Sediment suspensions; Apparatus
213(1988)221

Acetaldehyde; Ethyl acetate; Fermentation;
Fusel alcohols; Gas-permeable membrane;
Alcoholic fed-batch 213(1988)231

Column dead time; Capillary 215(1988)311

H.p.l.c.; T.l.c.; Review; Supercritical-fluid
216(1989)109

Conductometry; Alkanes; Hydrogen;
Semiconductor gas sensors; Simplex optimization
216(1989)147

Carbon dioxide; Carbon monoxide; Methane;
Temperature programmed decomposition
217(1989)197

Annular denuder tube; Nitrobenzene; Nitrogen
atmospheres; Electron-capture detection
217(1989)289

Mass spectrometry; T.l.c.; Pattern recognition;
Spatial resolution; Secondary ion, Phase-
transition matrix 218(1989)217

Spectrophotometry; H.p.l.c.;
Tetraalkylammonium sulphonates 218(1989)241

Polystyrene; Styrene monomer; Toluene solvent,
Headspace 218(1989)345

H.p.l.c.; Mass spectrometry; Resolution of
overlapping peaks; Statistical and empirical
functions 219(1989)257

Gravimetry

Lead-bearing samples; Silica; Errors
219(1989)177

H.p.l.c.; Titrimetry; Anions; Orthogonal
regression; Waters 220(1989)207

H

High-performance liquid chromatography

Flow system; Voltammetry; Blood; Uracil derivatives; Urine; Differential pulse, Cathodic stripping 211(1988)175

Fluorimetry; Methoxypsoralen 211(1988)333

Kalman filter; Peak resolution 212(1988)81

Characterization of stationary/mobile phases; Reversed-phase retention; Using markers 212(1988)95

Flow system; Extraction; Organophosphorus pesticides; Waters 212(1988)123

Fluorimetry; Alkylamines; Post-column derivatization 212(1988)155

Phenols partition equilibria; Anionic micelles 212(1988)171

Serum; Thiopurine compounds; Micelles as mobile phase 212(1988)181

Ethylenethiourea; Filters; Urine; Occupational hygiene 212(1988)297

Flow system; Antibiotics production; Process control; On-line 213(1988)1

Ion exchange; Fermentation media; Organic acids; Short glass columns 213(1988)227

Caffeine; Morphine; Plant materials; Quinine; Serum; Supercritical fluid extraction 213(1988)237

Immunoassay; Voltammetry; Aminophenyl phosphate substrate; Digoxin 214(1988)187

Amperometry; Sulphur-containing pesticides; Pulsed, Reversed-phase 215(1988)1

Amperometry; Aldehydes; Ketones; Photoelectrochemical detector; Mechanism, Alkyl, Aryl 215(1988)45

Emission spectrometry; Microwave-induced nitrogen discharge; Replacement-ion chromatography 215(1988)99

Emission spectrometry; Flow system; Plasmas; Microliter samples, Peak-shaped input, Inductively-coupled 215(1988)143

Fluorimetry; Aromatic aldehydes; 1,2-Diamino-4,5-ethylenedioxybenzene reagent 215(1988)259

Gas chromatography; T.l.c.; Review; Supercritical-fluid 216(1989)109

Chemiluminescence; Fluorimetry; Aminocoumarins 217(1989)11

Conductometry; Air; Nitrate; Nitrite; Passive monitors; Sulphate 217(1989)135

Doxorubicin; Plasma; Reversed-phase ion-pair 217(1989)149

Chemiluminescence; Cobalt; Rice flour 217(1989)157

Ion exchange; Conductometry; Sludges; Soils; Tungstate 217(1989)383

Catecholamines; Urine; On-line purification 218(1989)119

Amperometry; Enzyme reactor; Nicotinamide coenzymes 218(1989)129

Spectrophotometry; Gas chromatography; Tetraalkylammonium sulphonates 218(1989)241

Gas chromatography; Mass spectrometry; Resolution of overlapping peaks; Statistical and empirical functions 219(1989)257

Ion exchange; Gold; Platinum group metals; Chloro complexes, Bonded phase silica 220(1989)195

Titrimetry; Gravimetry; Anions; Orthogonal regression; Waters 220(1989)207

I

Immunoassay

Surface plasmon resonance immunosensors; Sensitivity 213(1988)35

Antibodies to peptides; Denatured protein; Short synthetic, Specific recognition 213(1988)187

H.p.l.c.; Voltammetry; Aminophenyl phosphate substrate; Digoxin 214(1988)187

Candida albicans; Human olfactory function 217(1989)281

Infrared spectrometry

N.m.r. spectrometry; Spectrophotometry; Calcichrome structure 217(1989)31

Computer-assisted interpretation of spectra;
Knowledge-based system; Descriptive,
Interactive 217(1989)203

Geological samples; Talc 217(1989)353

Chlorobenzenesulphonic acid; Waters
219(1989)165

Automated structure elucidation; Symbolic logic;
Computer program 220(1989)155

Ion exchange

Activ. analysis; Serum; Trace metals
211(1988)231

Spectrophotometry; Boron; Geological materials
211(1988)243

Electrotherm. atomization; At. abs.
spectrometry; Heavy metals; Seawater; Pre-
concentration, Chelex-100, pH and salts
211(1988)257

Electrotherm. atomization; At. abs.
spectrometry; Heavy metals; Seawater; Pre-
concentration, Chelex-100, Optimization, Plate
simulation method 211(1988)271

At. abs. spectrometry; Cobalt; Copper;
Manganese; Nickel; Tellurium metal
212(1988)191

H.p.l.c.; Fermentation media; Organic acids;
Short glass columns 213(1988)227

Flow system; At. abs. spectrometry; Emission
spectrometry; Extraction; Gas diffusion; On-line
separation; Preconcentration 214(1988)41

Flow system; Spectrophotometry; Ammonium
ions; Gas-diffusion separation 214(1988)121

Flow system; Amperometry; Acetylcholine;
Choline; Enzyme reactor; Lipids 214(1988)173

Spectrophotometry; Flow system; Copper;
Integrated reaction, Unsegmented 214(1988)217

Kinetic analysis; Flow system;
Spectrophotometry; Molybdenum; Plants
214(1988)239

Spectrophotometry; Flow system; Geological
samples; Preconcentration; Uranium
214(1988)279

At. abs. spectrometry; Spectrophotometry;
Manganese metal; Trace elements 215(1988)111

At. abs. spectrometry; Spectrophotometry;
Manganese metal; Trace elements 215(1988)317

H.p.l.c.; Conductometry; Sludges; Soils;
Tungstate 217(1989)383

Polarography; Molybdenum; Seawater;
Tungsten; Waters; Catalytic current,
Preconcentration 218(1989)25

At. abs. spectrometry; Copper speciation; Waters
219(1989)1

Flow system; Potentiometry; Halides
219(1989)55

Activ. analysis; Rare earth elements; Uranium
219(1989)313

Mercury; Waters; Preconcentration 219(1989)339

H.p.l.c.; Gold; Platinum group metals; Chloro
complexes, Bonded phase silica 220(1989)195

X-ray fluore. spectrometry; Coal ash; Leach
liquors 220(1989)217

Brines; Rare earth elements; Preconcentration
220(1989)243

Isotope dilution analysis

Extraction; Plants; Sulphur 219(1989)97

K

Kinetic analysis

Flow system; Sulphur anions; Catalyzed
iodine-azide reaction 211(1988)299

Spectrophotometry; Cobalt; Nickel; Resolution
of binary mixtures; Interpolation 212(1988)223

Spectrophotometry; Thiobenzamides; Catalysis,
Partition coefficients 212(1988)279

Formic acid; Oxalic acid; Gasometric
212(1988)303

Spectrophotometry; Ethanol; Fermentation
media; Glucose; Enzymatic 213(1988)61

Conductometry; Blood; Enzyme activities
213(1988)267

Flow system; Spectrophotometry; Ion exchange;
Molybdenum; Plants 214(1988)239

Review 216(1989)69

Flow system; Spectrophotometry; High-purity
chemicals; Manganese; Catalytic effect
217(1989)23

Voltammetry; Metalloporphyrin modified glassy carbon electrodes; Urine 217(1989)343

Flow system; Spectrophotometry; Self-modeling curve resolution 218(1989)303

Spectrophotometry; Acetaminophen; Pharmaceuticals 218(1989)313

Potentiometry; Pharmaceuticals; Phytic acid; Urine; Crystalline growth of calcium oxalate 219(1989)89

Flow system; Lactate dehydrogenase; Serum; Multi-detection, Cyclic system 219(1989)191

Potentiometry; Cephalexin; Cetyltrimethylammonium bromide; Pharmaceuticals; Sulphamethizole; Micellar catalysis 219(1989)295

Flow system; Liquid chrom.; Computer controlled apparatus; Enzyme reactions; Protein; Stopped-flow 220(1989)13

Flow system; Gradient chamber; Model for unsegmented 220(1989)23

L

Liquid chromatography

Flow system; Kinetic analysis; Computer controlled apparatus; Enzyme reactions; Protein; Stopped-flow 220(1989)13

Extraction; Plutonium; Soils; α -Spectrometry 220(1989)103

M

Mass spectrometry

Pattern recognition; Inductive expert system; Toxic compounds; SIMCA class modeling 211(1988)11

Fuels; Polar compounds; Methanol chemical-ionization 211(1988)83

Plasmas; Signal suppression; Trace metals; Inductively-coupled, Internal standard 211(1988)91

Flow system; Arsenic; Chloroform; Sample introduction 214(1988)385

Pattern recognition; Artificial-intelligence program; Spectral feature/substructure relationships; Automated elucidation, Tandem 215(1988)169

Isomer distinction; Pentadienes; Quadrupole ion trap 215(1988)223

Plasmas; Review; Plasma source 216(1989)1

Electron probe analysis; Ion-microprobe; Review; Three-dimensional analysis; Secondary-ion 216(1989)25

Multicomponent dye samples; Californium-252, Particle-desorption 218(1989)85

Gas chromatography; T.l.c.; Pattern recognition; Spatial resolution; Secondary ion, Phase-transition matrix 218(1989)217

T.l.c.; Peptides; Steroids; Surface derivatization; Secondary ion 218(1989)231

Rare earth elements; Waters; Isotope-dilution 218(1989)265

Gas chromatography; H.p.l.c.; Resolution of overlapping peaks; Statistical and empirical functions 219(1989)257

N

Nuclear magnetic resonance spectrometry

Computer-based structure characterization 216(1989)57

I.r. spectrometry; Spectrophotometry; Calcichrome structure 217(1989)31

Artificial intelligence; Prediction of spectra; Carbon-13, Coding system 217(1989)85

Magnetic resonance imaging agents; Stability of iron complexes 217(1989)391

Competitive equilibrium constants 220(1989)171

P

Pattern recognition

Mass spectrometry; Inductive expert system; Toxic compounds; SIMCA class modeling 211(1988)11

Animal feeds; Fodder plants; Rumen bacteria; Enzymatically changed, Genetic varieties 213(1988)177

Conductometry; Odour-sensing system; Semiconductor gas sensors 215(1988)155

Mass spectrometry; Artificial-intelligence program; Spectral feature/substructure relationships; Automated elucidation, Tandem 215(1988)169

Gas chromatography; Mass spectrometry; T.l.c.; Spatial resolution; Secondary ion, Phase-transition matrix 218(1989)217

Multivariate classification; Variable selection, Sample size 220(1989)119

Phosphorimetry

T.l.c.; Methylumbelliferone; Low-temperature 212(1988)213

Aluminium; Dialysis fluids; Waters; Room-temperature, Ferron chelate in micellar media 212(1988)235

Cyclodextrin enhancement; Organic compounds; Room-temperature 217(1989)171

Photoacoustic spectroscopy

Gases; Sulphur dioxide; Ultraviolet laser 218(1989)101

Reflectance spectrometry; Silica with hydroxamic acid groups; Synthesis 219(1989)201

Piezoelectric sensing

Physical parameters of liquids; Oscillation behaviour 212(1988)61

Iodide; Waters 215(1988)79

Endotoxin; Viscosity monitoring; Gelation of *Limulus* amoebocyte lysate 215(1988)91

Sulphur dioxide; Organophosphine transition metal complexes 217(1989)101

Antibody-coated sensors; Pesticides; Toluene; Film-free 217(1989)111

Hydrogen sulphide 217(1989)187

Fibrinogen; Quartz-crystal gelation detector 217(1989)321

Bromide; Catalysis of permanganate/iodide reaction 217(1989)327

Polarography

see also D.c. polarography, Differential pulse polarography

Saliva; Thiocyanate; Linear-sweep 212(1988)43

Iron speciation; EDTA complexes 212(1988)335

Chlorine; Phenylthiourea solutions; Waters; Linear-sweep, Active 215(1988)37

Ion exchange; Molybdenum; Seawater; Tungsten; Waters; Catalytic current, Preconcentration 218(1989)25

Potentiometry

Chronopotentiometry; Knowledge-based system; Elucidation of electrode reaction mechanisms 211(1988)61

Flow system; Calcium selective electrodes 211(1988)213

Titrimetry; Monoaza crown ethers; Complexation properties 211(1988)223

Voltammetry; Carbon fibre electrodes; Hydrogen ion concentration 212(1988)23

Glucose-sensitive field-effect transistor; Two-enzyme membrane 212(1988)49

Titrimetry; Copper interactions with ligands; Humic-like substance, Fulvic acids 212(1988)105

Fluorine; Plants; Vegetables; Open-flame ashing, Microdiffusion 212(1988)133

Sodium ion membrane electrode; Crown ether, PVC 212(1988)325

Biosensors; Enzyme electrodes; Review; Electronic, Opto-electronic 213(1988)23

Amperometry; Fermentation processes; Microbiological sensors; Review 213(1988)69

Flow system; Proteins; Streaming potential;
Affinity column 213(1988)79

Voltammetry; Flow system; Fluorimetry;
Bioreactors; Yeasts; High-performance, On-line
sensors 213(1988)199

Gas chromatography; Voltammetry; Microbial
reaction rates; Sediment suspensions; Apparatus
213(1988)221

Ammonium selective microelectrode; Gradients
in immobilized urease 213(1988)259

Flow system; Conductometry;
Spectrophotometry; Fluorimetry; Automated
micro batch analyser; Microcomputer control
214(1988)107

Flow system; Chlorine; Waters 214(1988)349

Flow system; Computerised data-acquisition;
Multi-ion sensor cell 214(1988)359

Flow system; Ammonia; Hydrazine; pH; Power
plant steam cycle 214(1988)367

Bromide; Silver complexes stability constants;
Thiocyanate; Monte Carlo methods 215(1988)187

Flow system; Cyanide; Heterogeneous membrane
electrodes; Gas diffusion 215(1988)283

Cation selectivity of crown ethers; 13-Crown-4
and bis(13-crown-4) derivatives 215(1988)289

Field-effect transistor; Hypoxanthine sensor;
Uric acid; Amorphous silicon 215(1988)301

Ion-selective electrode mechanisms 216(1989)163

Fluorimetry; Calcium-selective optrode;
Langmuir-Blodgett film 217(1989)1

Sulphite electrode; Polymeric-membrane
217(1989)123

Choline-sensitive membrane electrode;
Phosphatidylcholine; Serum 217(1989)193

Dinitrophenolate electrode; Honey; Reducing
sugars 218(1989)37

Titrimetry; Calcium; Magnesium; Waters
218(1989)47

Monitoring in organic solvents; Enzyme electrode
219(1989)27

Flow system; Ion exchange; Halides 219(1989)55

Kinetic analysis; Pharmaceuticals; Phytic acid;
Urine; Crystalline growth of calcium oxalate
219(1989)89

Voltammetry; Computerised system; Nickel;
Chronopotentiometric experiments 219(1989)105

Potassium selective electrode; Ultraviolet laser
cured membrane 219(1989)135

Potassium selective electrode; Comparison,
Monoaza crown ethers, plasticizers 219(1989)141

Titrimetry; Calcium; Oil-based drilling fluids
219(1989)147

Titrimetry; Boron; Metal borides;
Multiparametric curve-fitting 219(1989)273

Kinetic analysis; Cephalixin;
Cetyltrimethylammonium bromide;
Pharmaceuticals; Sulphamethizole; Micellar
catalysis 219(1989)295

Ammonia; Gas-permeable tubular membrane
219(1989)309

Fluoride; Ores; Slags; Direct fusion 219(1989)335

Nitrate-selective microelectrodes; Sediments
219(1989)351

Least-squares evaluation; Linearized equations;
Metal/ligand equilibrium 220(1989)145

Titrimetry; Lanthanide complexation; *trans*-1,3-
Cyclopentanediaminotetraacetic acid
220(1989)187

Flow system; Photographic fixers; Silver; Indirect
220(1989)287

Principal component analysis

Electrotherm. atomization; At. abs.
spectrometry; Mussels; Trace elements; Polluted
and unpolluted 220(1989)135

R

Raman spectrometry

Voltammetry; Electrochemical mechanism
elucidation; Real-time surface-enhanced,
Linear-sweep 212(1988)201

Ethanol; Fermentation process; Fructose;
Glucose; Fibre-optic system 215(1988)211

Reflectance spectrometry

Calcium ion sensor; Optical sensor; Chromogenic
crown ether 213(1988)251

Flow system; Creatinine; Serum; Gas diffusion
214(1988)147

Opto-acoustic spectroscopy; Silica with
hydroxamic acid groups; Synthesis 219(1989)201

S

Spectrophotometry

Flow system; Multicomponent determinations;
Partial least squares modeling 211(1988)1

Flow system; Monosaccharides; Strongly
oxidizing agents; Manganese(VI), Copper(III)
211(1988)99

Phosphorus; Waters; Vanadomolybdophosphate
211(1988)119

Ion exchange; Boron; Geological materials
211(1988)243

Flow system; Alcoholic beverages; Enzyme
reactor; Glucose; NADPH formed 211(1988)281

Humic substances; Iron; Waters 211(1988)293

Bismuth; Copper-base alloys; Extraction
211(1988)305

Niobium; Reversed matrix representation;
Tantalum; Multicomponent mixtures
212(1988)145

Kinetic analysis; Cobalt; Nickel; Resolution of
binary mixtures; Interpolation 212(1988)223

Flow system; Copper; Wave-guide capillary cell
212(1988)245

Titrimetry; Antipyrinylazo and thiazolylazo
compounds; Bismuth; Copper; Synthesis
212(1988)253

Hydrocortisone; Prednisolone; Tetrazolium salt
212(1988)273

Kinetic analysis; Thiobenzamides; Catalysis,
Partition coefficients 212(1988)279

Flow system; Calcium; Magnesium; Waters;
Simultaneous 212(1988)291

Kinetic analysis; Ethanol; Fermentation media;
Glucose; Enzymatic 213(1988)61

Flow system; Dispersion behaviour;
Impulse/response functions; Fourier algorithm
214(1988)77

Flow system; Biotechnology assays; High-
sensitivity flow injection; Macromolecules
214(1988)87

Flow system; Dispersion 214(1988)97

Flow system; Conductometry; Potentiometry;
Fluorimetry; Automated micro batch analyser;
Microcomputer control 214(1988)107

Flow system; Ion exchange; Ammonium ions;
Gas-diffusion separation 214(1988)121

Flow system; Chemiluminescence; Lactic acid
fermentations; In-line monitoring 214(1988)137

Flow system; Fluorimetry; Enzyme reactor;
Ethanol; Linear and cyclic 214(1988)161

Flow system; Iron; Nickel; Doublet peaks
214(1988)197

Flow system; Amines; Nitrite; Aromatic primary
214(1988)207

Flow system; Ion exchange; Copper; Integrated
reaction, Unsegmented 214(1988)217

Flow system; Capillary digester; Phosphorus;
Waters 214(1988)229

Kinetic analysis; Flow system; Ion exchange;
Molybdenum; Plants 214(1988)239

Flow system; Molasses; Sucrose; Sugar-cane juice
214(1988)247

Flow system; Cyanide; Microporous membrane;
Thiocyanate 214(1988)259

Flow system; Catalysts; Dental alloys; Palladium
214(1988)271

Flow system; Ion exchange; Geological samples;
Preconcentration; Uranium 214(1988)279

Flow system; Extraction; Potassium; Sodium;
Waters; Silica column 214(1988)289

Flow system; Membrane-separation; Trace
organic compounds 214(1988)299

Flow system; Octanol/water partition
coefficients; Dialyzer 214(1988)315

Flow system; Large-bore systems 214(1988)391

Flow system; Electrolytic dissolution;
Molybdenum; Steels 214(1988)397

Flow system; Ammonia; Field monitor; Waters
214(1988)401

Flow system; Fluoride 214(1988)433

Flow system; Brine; Calcium; Magnesium;
Preconcentration 214(1988)439

Flow system; Chloride; Detection limit
214(1988)447

Flow system; Glucose; Plasma 214(1988)455

Ion exchange; At. abs. spectrometry; Manganese
metal; Trace elements 215(1988)111

Cinchona alkaloids; Chiral organic anion
extractants; Extraction; Ion-pair 215(1988)119

Formaldehyde; Using formaldehyde
dehydrogenase 215(1988)249

Flow system; Membrane reactor; Pulsed reagent
introduction 215(1988)277

Ion exchange; At. abs. spectrometry; Manganese
metal; Trace elements 215(1988)317

Hydrogen peroxide; Hydroperoxyl ion; Molar
absorptivities 215(1988)325

Ozone; Waters; Indirect 215(1988)353

Flow system; Enzymatic assays; Review
216(1989)257

Flow system; Amperometry; Review; Unstable
reagents 216(1989)289

Flow system; Kinetic analysis; High-purity
chemicals; Manganese; Catalytic effect
217(1989)23

N.m.r. spectrometry; I.r. spectrometry;
Calcichrome structure 217(1989)31

Air; Organophosphorus compounds; Inhibition
of cholinesterases 217(1989)43

Flow system; Perchlorate; With Brilliant Green
217(1989)177

Flow system; Permanganate 217(1989)183

Optical membrane; Trinitrotoluene; Waters;
Clear, Amine-containing poly(vinyl chloride)
217(1989)217

Flow system; Proteins 217(1989)359

Extraction; Palladium 218(1989)111

Flow system; Body fluids; Urea; Urease reactor
218(1989)151

Amines; Primary and secondary aliphatic
218(1989)157

Gas chromatography; H.p.l.c.;
Tetraalkylammonium sulphonates 218(1989)241

Flow system; Enzyme reactor; Glucose;
Characterization of activity 218(1989)291

Kinetic analysis; Flow system; Self-modeling
curve resolution 218(1989)303

Kinetic analysis; Acetaminophen;
Pharmaceuticals 218(1989)313

Extraction; Hydrogen peroxide 218(1989)331

Carboxyl groups; Polymers 219(1989)161

Extraction; Iron; Molten biphenyl/naphthalene
219(1989)171

Flow system; Iron; Waters; Wine; Integrated
retention 219(1989)231

Extraction; Fabric conditioners; Hair
conditioners; Quaternary ammonium salts;
Tertiary alkylamines 219(1989)239

Extraction; Molybdenum; Steels 219(1989)323

Flow system; Fluoride; Waters 219(1989)329

Flow system; Iron; Waters; Sandwich techniques
219(1989)345

Flow system; Dispersion parameters; Prediction
220(1989)43

Flow system; Organic solvents; Water traces
220(1989)55

Flow system; Cyanide; Thiocyanate 220(1989)65

Flow system; Parenteral solutions; Sodium
hydrogensulphite 220(1989)281

T

Thermometric analysis

Aerobic and anaerobic wastewater-treatment;
Biological activity; Flow microcalorimetry
213(1988)165

Flow system; Enzyme Reactor; Pyrophosphate;
Thermistor 214(1988)409

Thin-layer chromatography

Phosphorimetry; Methylumbelliferone; Low-
temperature 212(1988)213

H.p.l.c.; Gas chromatography; Review;
Supercritical-fluid 216(1989)109

Gas chromatography; Mass spectrometry;
Pattern recognition; Spatial resolution;
Secondary ion, Phase-transition matrix
218(1989)217

Mass spectrometry; Peptides; Steroids; Surface
derivatization; Secondary ion 218(1989)231

Titrimetry

Potentiometry; Monoaza crown ethers;
Complexation properties 211(1988)223

Voltammetry; Complexation in natural waters;
Computer simulation of errors; Waters; Stripping
212(1988)1

Potentiometry; Copper interactions with ligands;
Humic-like substance, Fulvic acids 212(1988)105

Spectrophotometry; Antipyrinylazo and
thiazolylazo compounds; Bismuth; Copper;
Synthesis 212(1988)253

Acidity; Rain; Substitution approach
217(1989)303

Potentiometry; Calcium; Magnesium; Waters
218(1989)47

Amperometry; Silver; Square-wave 219(1989)37

Potentiometry; Calcium; Oil-based drilling fluids
219(1989)147

Potentiometry; Boron; Metal borides;
Multiparametric curve-fitting 219(1989)273

Potentiometry; Lanthanide complexation; *trans*-
1,3-Cyclopentanediaminotetraacetic acid
220(1989)187

H.p.l.c.; Gravimetry; Anions; Orthogonal
regression; Waters 220(1989)207

Platinum; Sea water; Cathodic stripping
211(1988)129

D.c. polarography; Diff. pulse polarography;
Uracil derivatives; Cathodic stripping
211(1988)155

H.p.l.c.; Flow system; Blood; Uracil derivatives;
Urine; Differential pulse, Cathodic stripping
211(1988)175

Technetium; Glassy carbon, Tri-n-
octylphosphine oxide, Differential-pulse,
Cathodic stripping 211(1988)317

Titrimetry; Complexation in natural waters;
Computer simulation of errors; Waters; Stripping
212(1988)1

Potentiometry; Carbon fibre electrodes;
Hydrogen ion concentration 212(1988)23

Nitrite; Seawater; Waters; Cathodic stripping
212(1988)31

Raman spectrometry; Electrochemical
mechanism elucidation; Real-time surface-
enhanced, Linear-sweep 212(1988)201

Bovine serum albumin; Adsorptive stripping
212(1988)355

Chloroform; Cresol; Enzyme electrode; Waters
213(1988)113

Electromagnetic entrapment of biocatalyst;
Enzyme electrode; Glucose; Magnetic beads
213(1988)121

Potentiometry; Flow system; Fluorimetry;
Bioreactors; Yeasts; High-performance, On-line
sensors 213(1988)199

Gas chromatography; Potentiometry; Microbial
reaction rates; Sediment suspensions; Apparatus
213(1988)221

H.p.l.c.; Immunoassay; Aminophenyl phosphate
substrate; Digoxin 214(1988)187

Catechol compounds; Stripping, Adsorptive
accumulation 215(1988)29

Halides; Spinal fluid; Waters; Cathodic stripping
215(1988)307

Review; Steady-state 216(1989)177

Coumarins; Micellar and emulsified media
216(1989)231

Kinetic analysis; Metalloporphyrin modified
glassy carbon electrodes; Urine 217(1989)343

V

Voltammetry

see also Anodic stripping voltammetry, Cyclic
voltammetry, Differential pulse voltammetry

Planar electrochemical microcell; Surface modification 219(1989)45

Potentiometry; Computerised system; Nickel; Chronopotentiometric experiments 219(1989)105

Flow system; Alkali metal ions; Alkaline earth metal ions; Glassy carbon fibres 220(1989)269

X

X-ray fluorescence spectrometry

Ion exchange; Coal ash; Leach liquors 220(1989)217